

# STN - Structure / Keyword Search

[Registry/Caplus]

10/540,601

03/14/2007

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Welcome to STN International! Enter x:x

LOGINID:SSPTAJMN1626

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS	4	OCT 30	CHEMLIST enhanced with new search and display field
NEWS	5	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS	6	NOV 10	CA/Caplus F-Term thesaurus enhanced
NEWS	7	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS	8	NOV 20	CA/Caplus to MARPAT accession number crossover limit increased to 50,000
NEWS	9	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS	10	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS	11	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
NEWS	12	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality
NEWS	13	DEC 18	CA/Caplus pre-1967 chemical substance index entries enhanced with preparation role
NEWS	14	DEC 18	CA/Caplus patent kind codes updated
NEWS	15	DEC 18	MARPAT to CA/Caplus accession number crossover limit increased to 50,000
NEWS	16	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS	17	DEC 27	CA/Caplus enhanced with more pre-1907 records
NEWS	18	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	19	JAN 16	CA/Caplus Company Name Thesaurus enhanced and reloaded
NEWS	20	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	21	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	22	JAN 22	CA/Caplus updated with revised CAS roles
NEWS	23	JAN 22	CA/Caplus enhanced with patent applications from India
NEWS	24	JAN 29	PHAR reloaded with new search and display fields
NEWS	25	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	26	FEB 13	CASREACT coverage to be extended
NEWS	27	Feb 15	PATDPASPC enhanced with Drug Approval numbers
NEWS	28	Feb 15	RUSSIAPAT enhanced with pre-1994 records
NEWS	29	Feb 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS	30	Feb 26	MEDLINE reloaded with enhancements
NEWS	31	Feb 26	EMBASE enhanced with Clinical Trial Number field
NEWS	32	Feb 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS	33	Feb 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS	34	Feb 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT

MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006..

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8  
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 11:55:54 ON 14 MAR 2007

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:56:04 ON 14 MAR 2007

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 13 MAR 2007 HIGHEST RN 926304-31-6  
DICTIONARY FILE UPDATES: 13 MAR 2007 HIGHEST RN 926304-31-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

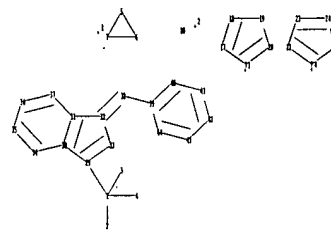
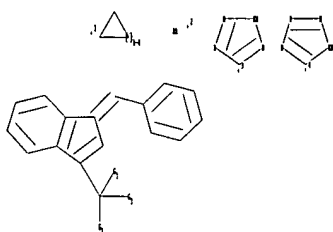
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10540601\3\_1.str



chain nodes :

1 2 3 4 10 38

ring nodes :

5 6 7 16 17 18 19 20 21 22 23 24 25 29 30 31 32 33 34 35 36 37  
39 40 41 42 43 44

chain bonds :

1-4 1-2 1-3 1-29 32-38 38-39

ring bonds :

5-6 5-7 6-7 16-17 16-20 17-18 18-19 19-20 21-22 21-25 22-23 23-24 24-25  
29-30 29-33 30-31 30-34 31-32 31-37 32-33 34-35 35-36 36-37 39-40 39-44  
40-41 41-42 42-43 43-44

exact/norm bonds :

1-4 1-2 1-3 5-6 5-7 6-7 16-17 16-20 17-18 18-19 19-20 21-22 21-25  
22-23 23-24 24-25 29-30 29-33 31-32 32-33

exact bonds :

1-29 32-38 38-39

normalized bonds :

30-31 30-34 31-37 34-35 35-36 36-37 39-40 39-44 40-41 41-42 42-43 43-44

G1:[\*1],[\*2]

G2:COOH,[\*3],[\*4]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:Atom 6:Atom 7:Atom 10:CLASS 16:Atom  
17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom  
29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom  
38:CLASS 39:Atom 40:Atom 41:Atom 42:Atom 43:Atom 44:Atom

## Generic attributes :

10:

Saturation : Saturated

Number of Carbon Atoms : less than 7

## Element Count :

Node 10: Limited

C,C1-6

L1 STRUCTURE UPLOADED

=&gt; d

L1 HAS NO ANSWERS

L1 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=&gt; s l1 full

FULL SEARCH INITIATED 11:56:41 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1108 TO ITERATE

100.0% PROCESSED 1108 ITERATIONS

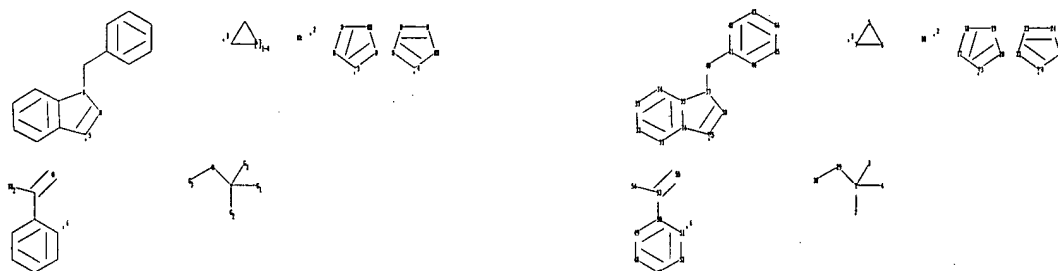
1 ANSWERS

SEARCH TIME: 00.00.01

L2 1 SEA SSS FUL L1

=&gt;

Uploading C:\Program Files\Stnexp\Queries\10540601\3\_2.str



chain nodes :

1 2 3 4 10 29 30 40 53 54 55

ring nodes :

5 6 7 16 17 18 19 20 21 22 23 24 25 31 32 33 34 35 36 37 38 39  
41 42 43 44 45 46 47 48 49 50 51 52

chain bonds :

1-4 1-2 1-3 1-29 29-30 37-40 40-41 50-53 53-54 53-55

ring bonds :

5-6 5-7 6-7 16-17 16-20 17-18 18-19 19-20 21-22 21-25 22-23 23-24 24-25  
31-32 31-36 32-33 33-34 34-35 35-36 35-37 36-39 37-38 38-39 41-42 41-46  
42-43 43-44 44-45 45-46 47-48 47-52 48-49 49-50 50-51 51-52

exact/norm bonds :

1-4 1-2 1-3 1-29 5-6 5-7 6-7 16-17 16-20 17-18 18-19 19-20 21-22 21-25  
22-23 23-24 24-25 29-30 35-37 36-39 37-38 37-40 38-39 53-54 53-55

exact bonds :

40-41 50-53

normalized bonds :

31-32 31-36 32-33 33-34 34-35 35-36 41-42 41-46 42-43 43-44 44-45 45-46  
47-48 47-52 48-49 49-50 50-51 51-52

G1: [\*1], [\*2]

G2: COOH, [\*3], [\*4]

G3: [\*5], [\*6]

## Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:Atom 6:Atom 7:Atom 10:CLASS 16:Atom  
17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom  
29:CLASS 30:CLASS 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom  
38:Atom 39:Atom 40:CLASS 41:Atom 42:CLASS 43:CLASS 44:CLASS 45:Atom 46:Atom  
47:Atom 48:Atom 49:Atom 50:Atom 51:Atom 52:Atom 53:CLASS 54:CLASS 55:CLASS

## Generic attributes :

10:

Saturation : Saturated

Number of Carbon Atoms : less than 7

## Element Count :

Node 10: Limited

C,C1-6

L3 STRUCTURE UPLOADED

=&gt; d

L3 HAS NO ANSWERS

L3 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=&gt; s l3 full

FULL SEARCH INITIATED 11:57:04 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 2277 TO ITERATE

100.0% PROCESSED 2277 ITERATIONS

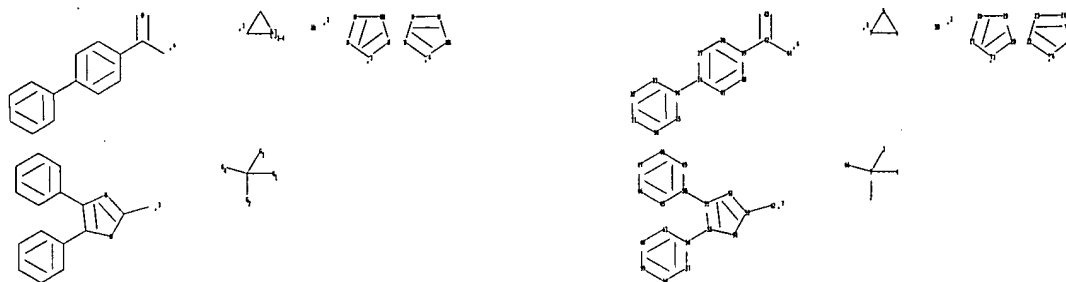
7 ANSWERS

SEARCH TIME: 00.00.01

L4 7 SEA SSS FUL L3

=&gt;

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chain nodes :

1 2 3 4 10 42 43 44 62 66

ring nodes :

5 6 7 16 17 18 19 20 21 22 23 24 25 30 31 32 33 34 35 36 37 38  
39 40 41 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61

chain bonds :

1-4 1-2 1-3 1-66 34-36 39-42 42-43 42-44 50-51 53-62 55-56

ring bonds :

5-6 5-7 6-7 16-17 16-20 17-18 18-19 19-20 21-22 21-25 22-23 23-24 24-25  
30-31 30-35 31-32 32-33 33-34 34-35 36-37 36-41 37-38 38-39 39-40 40-41  
45-46 45-50 46-47 47-48 48-49 49-50 51-52 51-55 52-53 53-54 54-55 56-57  
56-61 57-58 58-59 59-60 60-61

exact/norm bonds :

1-4 1-2 1-3 1-66 5-6 5-7 6-7 16-17 16-20 17-18 18-19 19-20 21-22 21-25  
22-23 23-24 24-25 42-43 51-52 51-55 52-53 53-54 54-55

exact bonds :

34-36 39-42 42-44 50-51 53-62 55-56

normalized bonds :

30-31 30-35 31-32 32-33 33-34 34-35 36-37 36-41 37-38 38-39 39-40 40-41  
45-46 45-50 46-47 47-48 48-49 49-50 56-57 56-61 57-58 58-59 59-60 60-61

G1: [\*1], [\*2]

G2: COOH, [\*3], [\*4]

G3

G4:[\*5],[\*6]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:Atom 6:Atom 7:Atom 10:CLASS 16:Atom  
17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom  
30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom  
39:Atom 40:Atom 41:Atom 42:CLASS 43:CLASS 44:CLASS 45:Atom 46:Atom 47:Atom  
48:Atom 49:Atom 50:Atom 51:Atom 52:Atom 53:Atom 54:CLASS 55:CLASS 56:CLASS  
57:CLASS 58:CLASS 59:Atom 60:Atom 61:Atom 62:CLASS 66:CLASS

Generic attributes :

10:

Saturation : Saturated

Number of Carbon Atoms : less than 7

Element Count :

Node 10: Limited

C,C1-6

L5 STRUCTURE UPLOADED

=&gt; d

L5 HAS NO ANSWERS

L5 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=&gt; s 15 full

FULL SEARCH INITIATED 11:57:29 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 30531 TO ITERATE

100.0% PROCESSED 30531 ITERATIONS

196 ANSWERS

SEARCH TIME: 00.00.01

L6 196 SEA SSS FUL L5

=&gt; fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

515.85

516.06

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FILE COVERS 1907 - 14 Mar 2007 VOL 146 ISS 12  
FILE LAST UPDATED: 13 Mar 2007 (20070313/ED)

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=> d his

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FILE 'REGISTRY' ENTERED AT 11:56:04 ON 14 MAR 2007

L1 STRUCTURE UPLOADED  
L2 1 S L1 FULL  
L3 STRUCTURE UPLOADED  
L4 7 S L3 FULL  
L5 STRUCTURE UPLOADED  
L6 196 S L5 FULL

FILE 'CAPLUS' ENTERED AT 11:57:33 ON 14 MAR 2007

=> s 12

L7 1 L2

=> s 14

L8 6 L4

=> s 16

L9 18 L6

=> s 17 or 18 or 19

L10 25 L7 OR L8 OR L9

=> d ibib L7

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STM  
 ACCESSION NUMBER: 2004:633474 CAPLUS  
 DOCUMENT NUMBER: 141:162386  
 TITLE: Anti-Alzheimer compositions containing geminally  
 di-substituted NSAID derivatives  
 INVENTOR(S): Munoz, Benito; Prasit, Petpiboon; Stock, Nicholas  
 Simon  
 PATENT ASSIGNEE(S): Merck & Co., Inc., USA  
 SOURCE: PCT Int. Appl., 40 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004064771	A2	20040805	WO 2004-US424	20040109
WO 2004064771	A3	20041223		
W:				
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				
GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,				
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
AU 2004206796	A1	20040805	AU 2004-206796	20040109
CA 2512704	A1	20040805	CA 2004-2512704	20040109
EP 1587798	A2	20051026	EP 2004-701220	20040109
R:				
AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006517925	T	20060803	JP 2006-500855	20040109
US 2006063937	A1	20060323	US 2005-540601	20050623
PRIORITY APPLN. INFO.:			US 2003-439847P	P 20030114
			US 2003-439965P	P 20030114
			WO 2004-US424	W 20040109

OTHER SOURCE(S): MARPAT 141:162386

=> d ibib L8 1-6

L8 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1973:537144 CAPLUS  
DOCUMENT NUMBER: 79:137144  
TITLE: Indazole derivatives  
INVENTOR(S): Banno, Kazuo; Ikeda, Takayuki; Nakagawa, Kazuyuki;  
Yu,  
Taneyoshi; Dohi, Tadahi  
PATENT ASSIGNEE(S): Otsuka Pharmaceutical Co., Ltd.  
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.  
CODEN: JKKXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 48048468	A	19730709	JP 1971-82655	19711018
JP 51007668	B	19760310		

PRIORITY APPLN. INFO.: JP 1971-82655 A 19711018

L8 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1973:492214 CAPLUS  
DOCUMENT NUMBER: 79:92214  
TITLE: Indazole derivatives  
INVENTOR(S): Banno, Kazuo; Kuwahata, Tokuo; Ikeda, Takayuki;  
Nakagawa, Kazuyuki; Dohi, Tadahi  
PATENT ASSIGNEE(S): Otsuka Pharmaceutical Co., Ltd.  
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.  
CODEN: JKKXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 48048467	A	19730709	JP 1971-82654	19711018
JP 51007667	B	19760310		

PRIORITY APPLN. INFO.: JP 1971-82654 A 19711018

L8 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1967:55192 CAPLUS  
DOCUMENT NUMBER: 66:55192  
TITLE:  $\alpha$ -Isobutyric acid derivatives. IV.  
AUTHOR(S): Cattaneo, Alberto; Galimberti, Paolo; Melandri,  
Marcello  
CORPORATE SOURCE: Soc. Ital. Prod. Schering, Milan, Italy  
SOURCE: Bollettino Chimico Farmaceutico (1963), 102, 541-7  
CODEN: BCFPAI; ISSN: 0006-6648  
DOCUMENT TYPE: Journal  
LANGUAGE: Italian

L8 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1964:476292 CAPLUS  
DOCUMENT NUMBER: 61:76292  
ORIGINAL REFERENCE NO.: 61:13231g-h,13232a-b  
TITLE: Derivatives of isobutyric acid. IV  
AUTHOR(S): Cattaneo, A.; Galimberti, P.; Melandri, M.  
CORPORATE SOURCE: Soc. Ital. Prodotti Schering, Milan  
SOURCE: Bollettino Chimico Farmaceutico (1963), 102(8), 541-7  
CODEN: BCFPAI; ISSN: 0006-6648  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

L8 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1962:449045 CAPLUS  
DOCUMENT NUMBER: 57:49045  
ORIGINAL REFERENCE NO.: 57:9726h-1,9727a-f  
TITLE: Production of esters and amides of  
o-carboxyphenoxymalonic acid  
AUTHOR(S): Gilbert, Jacques; Gault, Henry  
CORPORATE SOURCE: C.N.R.S., Bellevue  
SOURCE: Bulletin de la Societe Chimique de France (1962)  
1180-3  
CODEN: BSCFAS; ISSN: 0037-8968  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

L8 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1960:1953 CAPLUS  
DOCUMENT NUMBER: 54:1953  
ORIGINAL REFERENCE NO.: 54:392h-1,393a-c  
TITLE:  $\alpha$ -(2-Carboxyphenoxy)isobutyric and  
 $\alpha$ -(2-carboxyphenylthio)isobutyric acids and some  
derivatives  
AUTHOR(S): Galimberti, P.; Gerosa, V.; Melandri, M.  
CORPORATE SOURCE: Soc. Ital. Prodotti Schering, Milan  
SOURCE: Farmaco, Edizione Scientifica (1959), 14, 96-100  
CODEN: FRPSAX; ISSN: 0430-0920  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

=> d his

(FILE 'HOME' ENTERED AT 11:55:54 ON 14 MAR 2007)

FILE 'REGISTRY' ENTERED AT 11:56:04 ON 14 MAR 2007

L1               STRUCTURE UPLOADED  
L2               1 S L1 FULL  
L3               STRUCTURE UPLOADED  
L4               7 S L3 FULL  
L5               STRUCTURE UPLOADED  
L6               196 S L5 FULL

FILE 'CAPLUS' ENTERED AT 11:57:33 ON 14 MAR 2007

L7               1 S L2  
L8               6 S L4  
L9               18 S L6  
L10              25 S L7 OR L8 OR L9

=> s l10 and alzheimer

43816 ALZHEIMER

L11              1 L10 AND ALZHEIMER

=> d ibib

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:633474 CAPLUS  
 DOCUMENT NUMBER: 141:162386  
 TITLE: Anti-Alzheimer compositions containing  
 geminally di-substituted NSAID derivatives  
 INVENTOR(S): Munoz, Benito; Prasit, Petpiboon; Stock, Nicholas  
 Simon  
 PATENT ASSIGNEE(S): Merck & Co., Inc., USA  
 SOURCE: PCT Int. Appl., 40 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004064771	A2	20040805	WO 2004-US424	20040109
WO 2004064771	A3	20041223		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI			
AU 2004206796	A1	20040805	AU 2004-206796	20040109
CA 2512704	A1	20040805	CA 2004-2512704	20040109
EP 1587798	A2	20051026	EP 2004-701220	20040109
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
JP 2006517925	T	20060803	JP 2006-500855	20040109
US 2006063937	A1	20060323	US 2005-540601	20050623
PRIORITY APPLN. INFO.:			US 2003-439847P	P 20030114
			US 2003-439965P	P 20030114
			WO 2004-US424	W 20040109

OTHER SOURCE(S): MARPAT 141:162386

=> s l10 and (CNS or neuro?)  
38228 CNS  
547240 NEURO?  
L12 2 L10 AND (CNS OR NEURO?)  
=> d ibib 1-2



L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2006:1120602 CAPLUS  
 DOCUMENT NUMBER: 145:454842  
 TITLE: Preparation of aryl alkyl acid derivatives for the treatment of obesity and related diseases  
 INVENTOR(S): Smith, Roger; Lowe, Derek; Colish, Philip; Campbell, Ann-Marie; Wang, Gan; Patel, Manoj; Bondar, Georgiy  
 PATENT ASSIGNEE(S): Bayer Pharmaceuticals Corporation, USA  
 SOURCE: PCT Int. Appl., 315pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006113919	A2	20061026	WO 2006-US15194	20060418
WO 2006113919	A3	20061130		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRIORITY APPLN. INFO.:			US 2005-673149P	P 20050419
OTHER SOURCE(S):			MARPAT 145:454842	

L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:964835 CAPLUS  
 DOCUMENT NUMBER: 141:410927  
 TITLE: Preparation of benzazolyaminobiphenyloalkanoates for the treatment of obesity  
 INVENTOR(S): Smith, Roger; Campbell, Ann-Marie; Colish, Philip; Dai, Miao; Jenkins, Susan; Lowe, Derek; O'Connor, Stephen; Su, Ning; Wang, Gan; Zhang, Mingbao; Zhu, Lei  
 PATENT ASSIGNEE(S): Bayer Pharmaceuticals Corporation, USA  
 SOURCE: U.S. Pat. Appl. Publ., 129 pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004224997	A1	20041111	US 2004-839833	20040506
US 7091228	B2	20060815		
AU 2004238258	A1	20041125	AU 2004-238258	20040506
CA 2524470	A1	20041125	CA 2004-2524470	20040506
WO 2004100881	A2	20041125	WO 2004-US14036	20040506
WO 2004100881	A3	20050203		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1633722	A2	20060315	EP 2004-751430	20040506
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK			
BR 2004010170	A	20060516	BR 2004-10170	20040506
CN 1816531	A	20060809	CN 2004-80019192	20040506
JP 2007502862	T	20070215	JP 2006-532796	20040506
NO 2005005832	A	20060203	NO 2005-5832	20051208
US 2006194859	A1	20060831	US 2006-341197	20060127
PRIORITY APPLN. INFO.:			US 2003-469619P	P 20030509
			US 2004-839833	A3 20040506
			WO 2004-US14036	W 20040506

OTHER SOURCE(S): MARPAT 141:410927  
 REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

=> d his

(FILE 'HOME' ENTERED AT 11:55:54 ON 14 MAR 2007)

FILE 'REGISTRY' ENTERED AT 11:56:04 ON 14 MAR 2007

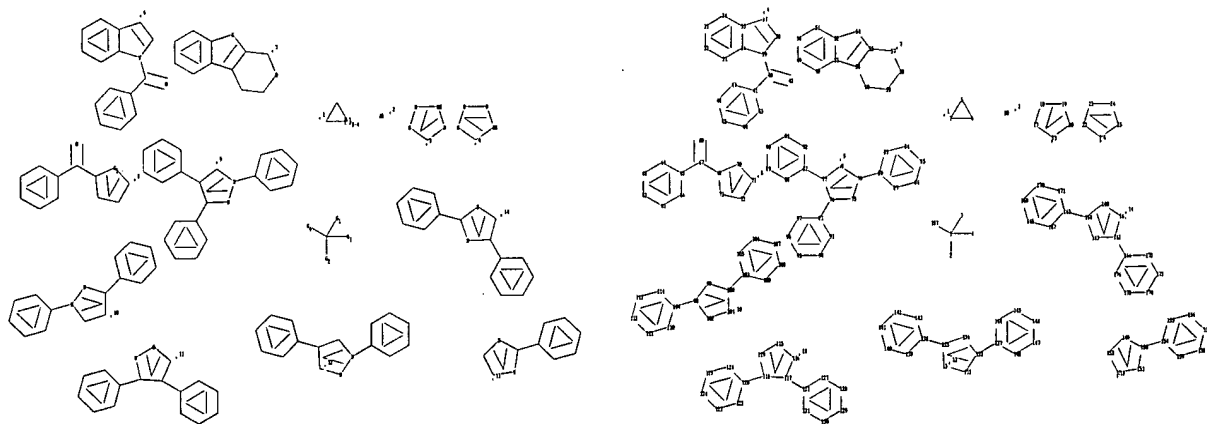
L1 STRUCTURE UPLOADED  
L2 1 S L1 FULL  
L3 STRUCTURE UPLOADED  
L4 7 S L3 FULL  
L5 STRUCTURE UPLOADED  
L6 196 S L5 FULL

FILE 'CAPLUS' ENTERED AT 11:57:33 ON 14 MAR 2007

L7 1 S L2  
L8 6 S L4  
L9 18 S L6  
L10 25 S L7 OR L8 OR L9  
L11 1 S L10 AND ALZHEIMER  
L12 2 S L10 AND (CNS OR NEURO?)

=>

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## chain nodes :

1 2 3 4 10 40 42 67 69 187

## ring nodes :

5 6 7 16 17 18 19 20 21 22 23 24 25 31 32 33 34 35 36 37 38 39  
 41 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62  
 63 64 65 66 68 70 71 72 73 75 76 77 78 79 80 81 82 83 84 85 86  
 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105  
 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122  
 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138  
 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155  
 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171  
 172 173 174 175 176

## chain bonds :

1-4 1-2 1-3 1-187 39-40 40-41 40-42 65-67 67-68 67-69 76-81 77-82 79-80  
 98-104 100-103 117-121 118-120 132-137 135-138 150-154 162-166 164-165

## ring bonds :

5-6 5-7 6-7 16-17 16-20 17-18 18-19 19-20 21-22 21-25 22-23 23-24 24-25  
 31-32 31-36 32-33 33-34 34-35 35-36 35-37 36-39 37-38 38-39 41-43 41-47  
 43-44 44-45 45-46 46-47 48-49 48-53 49-50 50-51 51-52 52-53 52-54 53-56  
 54-55 55-56 55-57 56-60 57-58 58-59 59-60 61-62 61-66 62-63 63-64 64-65  
 65-66 68-70 68-73 70-71 71-72 72-73 75-76 75-79 76-77 77-78 78-79 80-83  
 80-87 81-93 81-97 82-88 82-92 83-84 84-85 85-86 86-87 88-89 89-90 90-91  
 91-92 93-94 94-95 95-96 96-97 98-99 98-102 99-100 100-101 101-102  
 103-105 103-109 104-110 104-114 105-106 106-107 107-108 108-109 110-111  
 111-112 112-113 113-114 115-116 115-119 116-117 117-118 118-119 120-122  
 120-126 121-127 121-131 122-123 123-124 124-125 125-126 127-128 128-129  
 129-130 130-131 132-133 132-136 133-134 134-135 135-136 137-144 137-148  
 138-139 138-143 139-140 140-141 141-142 142-143 144-145 145-146 146-147  
 147-148 149-150 149-153 150-151 151-152 152-153 154-155 154-159 155-156  
 156-157 157-158 158-159 160-161 160-164 161-162 162-163 163-164 165-167  
 165-171 166-172 166-176 167-168 168-169 169-170 170-171 172-173 173-174  
 174-175 175-176

## exact/norm bonds :

1-4 1-2 1-3 1-187 5-6 5-7 6-7 16-17 16-20 17-18 18-19 19-20 21-22  
 21-25 22-23 23-24 24-25 35-37 36-39 37-38 38-39 39-40 40-41 40-42 52-54  
 53-56 54-55 55-56 55-57 56-60 57-58 58-59 59-60 65-67 67-68 67-69 68-70  
 68-73 70-71 71-72 72-73 75-76 75-79 76-77 76-81 77-78 77-82 78-79 79-80  
 98-99 98-102 98-104 99-100 100-101 100-103 101-102 115-116 115-119 116-117  
 117-118 117-121 118-119 118-120 132-133 132-136 132-137 133-134 134-135  
 135-136 135-138 149-150 149-153 150-151 150-154 151-152 152-153 160-161  
 160-164 161-162 162-163 162-166 163-164 164-165

## normalized bonds :

31-32 31-36 32-33 33-34 34-35 35-36 41-43 41-47 43-44 44-45 45-46 46-47  
 48-49 48-53 49-50 50-51 51-52 52-53 61-62 61-66 62-63 63-64 64-65 65-66  
 80-83 80-87 81-93 81-97 82-88 82-92 83-84 84-85 85-86 86-87 88-89 89-90  
 90-91 91-92 93-94 94-95 95-96 96-97 103-105 103-109 104-110 104-114  
 105-106 106-107 107-108 108-109 110-111 111-112 112-113 113-114 120-122  
 120-126 121-127 121-131 122-123 123-124 124-125 125-126 127-128 128-129  
 129-130 130-131 137-144 137-148 138-139 138-143 139-140 140-141 141-142  
 142-143 144-145 145-146 146-147 147-148 154-155 154-159 155-156 156-157  
 157-158 158-159 165-167 165-171 166-172 166-176 167-168 168-169 169-170  
 170-171 172-173 173-174 174-175 175-176

G1:[\*1],[\*2]

G2:COOH,[\*3],[\*4]

G3

G4

G5:S,N

G6:[\*5],[\*6],[\*7],[\*8],[\*9],[\*10],[\*11],[\*12],[\*13]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:Atom 6:Atom 7:Atom 10:CLASS 16:Atom  
 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom  
 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom  
 40:CLASS 41:Atom 42:CLASS 43:Atom 44:Atom 45:Atom 46:Atom 47:Atom 48:Atom  
 49:Atom 50:Atom 51:Atom 52:Atom 53:Atom 54:Atom 55:Atom 56:Atom 57:Atom  
 58:Atom 59:Atom 60:Atom 61:CLASS 62:Atom 63:CLASS 64:CLASS 65:CLASS  
 66:CLASS 67:CLASS 68:Atom 69:CLASS 70:Atom 71:Atom 72:Atom 73:Atom 75:Atom  
 76:Atom 77:Atom 78:Atom 79:Atom 80:Atom 81:Atom 82:Atom 83:Atom 84:Atom  
 85:Atom 86:Atom 87:Atom 88:Atom 89:Atom 90:Atom 91:Atom 92:Atom 93:Atom  
 94:Atom 95:Atom 96:Atom 97:Atom 98:Atom 99:Atom 100:Atom 101:Atom 102:Atom  
 103:Atom 104:Atom 105:Atom 106:Atom 107:Atom 108:Atom 109:Atom 110:Atom  
 111:Atom 112:Atom 113:Atom 114:Atom 115:Atom 116:Atom 117:Atom 118:Atom  
 119:Atom 120:Atom 121:Atom 122:Atom 123:Atom 124:Atom 125:Atom 126:Atom  
 127:Atom 128:Atom 129:Atom 130:Atom 131:Atom 132:Atom 133:Atom 134:Atom  
 135:Atom 136:Atom 137:Atom 138:Atom 139:Atom 140:Atom 141:Atom 142:Atom  
 143:Atom 144:Atom 145:Atom 146:Atom 147:Atom 148:Atom 149:Atom 150:Atom  
 151:Atom 152:Atom 153:Atom 154:Atom 155:Atom 156:Atom 157:Atom 158:Atom  
 159:Atom 160:Atom 161:Atom 162:Atom 163:Atom 164:Atom 165:Atom 166:Atom  
 167:Atom 168:Atom 169:Atom 170:Atom 171:Atom 172:Atom 173:Atom 174:Atom  
 175:Atom 176:Atom 187:CLASS

Generic attributes :

10:

Saturation : Saturated

Number of Carbon Atoms : less than 7

Element Count :

Node 10: Limited

C,C1-6

L13 STRUCTURE UPLOADED

=&gt; s l13 full

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 12:14:45 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 44663 TO ITERATE

100.0% PROCESSED 44663 ITERATIONS  
SEARCH TIME: 00.00.02

9 ANSWERS

L14 9 SEA SSS FUL L13

L15 14 L14

=> s l15 and (alzheimer or CNS or neuro?)

43816 ALZHEIMER

38228 CNS

547240 NEURO?

L16 6 L15 AND (ALZHEIMER OR CNS OR NEURO?)

=> d ibib 1-6

L16 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2007:63637 CAPLUS  
DOCUMENT NUMBER: 146:135610  
TITLE: Methods of treating overactive bladder and urinary incontinence  
INVENTOR(S): Laughlin, Mark  
PATENT ASSIGNEE(S): Myriad Genetics, Incorporated, USA  
SOURCE: U.S. Pat. Appl. Publ., 16pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2007015832	A1	20070118	US 2006-487177	20060714
PRIORITY APPLN. INFO.:			US 2005-699727P	P 20050714

L16 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2006:232875 CAPLUS  
DOCUMENT NUMBER: 144:403783  
TITLE: The geminal dimethyl analogue of Flurbiprofen as a novel A $\beta$ 42 inhibitor and potential Alzheimer's disease modifying agent  
AUTHOR(S): Stock, Nicholas; Munoz, Benito; Wrigley, Jonathan D. J.; Shearman, Mark S.; Beher, Dirk; Peachey, James; Williamson, Toni L.; Bain, Gretchen; Chen, Weichao; Jiang, Xiaohui; St-Jacques, Rene; Prasit, Peppi  
CORPORATE SOURCE: Department of Chemistry, Merck Research Laboratories, San Diego, CA, 92121, USA  
SOURCE: Bioorganic & Medicinal Chemistry Letters (2006), 16(8), 2219-2223  
CODEN: BMCLE8; ISSN: 0960-894X  
PUBLISHER: Elsevier B.V.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 35  
THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L16 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2006:167837 CAPLUS  
DOCUMENT NUMBER: 144:239971  
TITLE: Pharmaceutical composition and method for treating neurodegenerative disorders  
INVENTOR(S): Hobden, Adrian  
PATENT ASSIGNEE(S): Myriad Genetics, Inc., USA  
SOURCE: PCT Int. Appl., 64 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006020850	A2	20060223	WO 2005-US28714	20050811
WO 2006020850	A3	20060504		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRIORITY APPLN. INFO.:			US 2004-600447P	P 20040811

L16 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2006:164779 CAPLUS  
DOCUMENT NUMBER: 144:239954  
TITLE: Pharmaceutical compositions acetylcholine esterase inhibitors for treating neurodegenerative disorders  
INVENTOR(S): Hobden, Adrian  
PATENT ASSIGNEE(S): Myriad Genetics, Inc., USA  
SOURCE: PCT Int. Appl., 64 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006020852	A2	20060223	WO 2005-US28716	20050811
WO 2006020852	A3	20060526		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRIORITY APPLN. INFO.:			US 2004-600600P	P 20040811

L16 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2006:164727 CAPLUS  
 DOCUMENT NUMBER: 144:260786  
 TITLE: Pharmaceutical compositions containing acetylcholine  
 esterase inhibitors for treating  
 neurodegenerative disorders  
 INVENTOR(S): Hobden, Adrian  
 PATENT ASSIGNEE(S): Myriad Genetics, Inc., USA  
 SOURCE: PCT Int. Appl., 64 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006020853	A2	20060223	WO 2005-US28717	20050811
WO 2006020853	A3	20060326		
W:				
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW:				
AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			US 2004-600470P	P 20040811

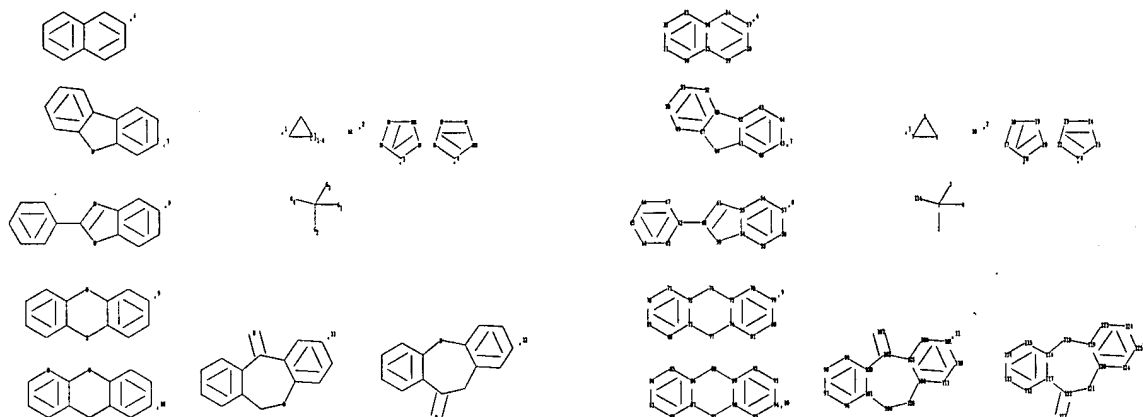
L16 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:633474 CAPLUS  
 DOCUMENT NUMBER: 141:162386  
 TITLE: Anti-Alzheimer compositions containing  
 geminally di-substituted NSAID derivatives  
 INVENTOR(S): Munoz, Benito; Prasit, Petpiboon; Stock, Nicholas  
 Simon  
 PATENT ASSIGNEE(S): Merck & Co., Inc., USA  
 SOURCE: PCT Int. Appl., 40 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004064771	A2	20040805	WO 2004-US424	20040109
WO 2004064771	A3	20041223		
W:				
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
AU 2004206796	A1	20040805	AU 2004-206796	20040109
CA 2512704	A1	20040805	CA 2004-2512704	20040109
EP 1587798	A2	20051026	EP 2004-701220	20040109
R:				
AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006517925	T	20060803	JP 2006-500855	20040109
US 2006063937	A1	20060323	US 2005-540601	20050623
PRIORITY APPLN. INFO.:			US 2003-439847P	P 20030114
			US 2003-439965P	P 20030114
			WO 2004-US424	W 20040109

OTHER SOURCE(S): MARPAT 141:162386

=&gt;

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chain nodes :

1 2 3 4 10 107 127 136

ring nodes :

5 6 7 16 17 18 19 20 21 22 23 24 25 30 31 32 33 34 35 36 37 38  
 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59  
 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80  
 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100  
 101 102 103 104 105 106 108 109 110 111 112 113 114 115 116 117 118  
 119 120 121 122 123 124 125 126

chain bonds :

1-4 1-2 1-3 1-136 60-62 102-107 122-127

ring bonds :

5-6 5-7 6-7 16-17 16-20 17-18 18-19 19-20 21-22 21-25 22-23 23-24 24-25  
 30-31 30-35 31-32 32-33 33-34 34-35 34-36 35-39 36-37 37-38 38-39 40-41  
 40-45 41-42 41-46 42-43 42-48 43-44 44-45 46-47 47-48 47-49 48-52 49-50  
 50-51 51-52 53-54 53-58 54-55 54-59 55-56 55-61 56-57 57-58 59-60 60-61  
 62-63 62-67 63-64 64-65 65-66 66-67 68-69 68-73 69-70 70-71 71-72 72-73  
 72-74 73-77 74-75 75-76 75-78 76-77 76-81 78-79 79-80 80-81 82-83 82-87  
 83-84 84-85 85-86 86-87 86-88 87-91 88-89 89-90 89-92 90-91 90-95 92-93  
 93-94 94-95 96-97 96-101 97-98 98-99 99-100 100-101 100-102 101-106  
 102-103 103-104 103-108 104-105 104-111 105-106 108-109 109-110 110-111  
 112-113 112-117 113-114 114-115 115-116 116-117 116-118 117-122 118-119  
 119-120 119-123 120-121 120-126 121-122 123-124 124-125 125-126

Searched by Jason M. Nolan, Ph.D.



## exact/norm bonds :

1-4 1-2 1-3 1-136 5-6 5-7 6-7 16-17 16-20 17-18 18-19 19-20 21-22  
 21-25 22-23 23-24 24-25 41-46 42-48 46-47 54-59 55-61 59-60 60-61 72-74  
 73-77 74-75 76-77 86-88 87-91 88-89 90-91 100-102 101-106 102-103 102-107  
 104-105 105-106 116-118 117-122 118-119 120-121 121-122 122-127

## exact bonds :

60-62

## normalized bonds :

30-31 30-35 31-32 32-33 33-34 34-35 34-36 35-39 36-37 37-38 38-39 40-41  
 40-45 41-42 42-43 43-44 44-45 47-48 47-49 48-52 49-50 50-51 51-52 53-54  
 53-58 54-55 55-56 56-57 57-58 62-63 62-67 63-64 64-65 65-66 66-67 68-69  
 68-73 69-70 70-71 71-72 72-73 75-76 75-78 76-81 78-79 79-80 80-81 82-83  
 82-87 83-84 84-85 85-86 86-87 89-90 89-92 90-95 92-93 93-94 94-95 96-97  
 96-101 97-98 98-99 99-100 100-101 103-104 103-108 104-111 108-109 109-110  
 110-111 112-113 112-117 113-114 114-115 115-116 116-117 119-120 119-123  
 120-126 123-124 124-125 125-126

G1:[\*1],[\*2]

G2:COOH,[\*3],[\*4]

G3

G4:[\*5],[\*6],[\*7],[\*8],[\*9],[\*10],[\*11]

## Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:Atom 6:Atom 7:Atom 10:CLASS 16:Atom  
 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom  
 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom  
 39:Atom 40:Atom 41:Atom 42:Atom 43:Atom 44:Atom 45:Atom 46:Atom 47:Atom  
 48:CLASS 49:CLASS 50:CLASS 51:CLASS 52:CLASS 53:Atom 54:Atom 55:Atom  
 56:Atom 57:Atom 58:Atom 59:Atom 60:Atom 61:Atom 62:Atom 63:Atom 64:Atom  
 65:Atom 66:Atom 67:Atom 68:Atom 69:Atom 70:Atom 71:Atom 72:Atom 73:Atom  
 74:Atom 75:Atom 76:Atom 77:Atom 78:Atom 79:Atom 80:Atom 81:Atom 82:Atom  
 83:Atom 84:Atom 85:Atom 86:Atom 87:Atom 88:Atom 89:Atom 90:Atom 91:Atom  
 92:Atom 93:Atom 94:Atom 95:Atom 96:Atom 97:Atom 98:Atom 99:Atom 100:Atom  
 101:Atom 102:Atom 103:Atom 104:Atom 105:Atom 106:Atom 107:CLASS 108:Atom  
 109:Atom 110:Atom 111:Atom 112:Atom 113:Atom 114:Atom 115:Atom 116:Atom  
 117:Atom 118:Atom 119:Atom 120:Atom 121:Atom 122:Atom 123:Atom 124:Atom  
 125:Atom 126:Atom 127:CLASS 136:CLASS

## Generic attributes :

10:

Saturation : Saturated

Number of Carbon Atoms : less than 7

## Element Count :

Node 10: Limited

C,C1-6

L17 STRUCTURE UPLOADED

=> s l17 full

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 12:26:26 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 168911 TO ITERATE

100.0% PROCESSED 168911 ITERATIONS

57 ANSWERS

SEARCH TIME: 00.00.06

L18 57 SEA SSS FUL L17

L19 59 L18

=> s l19 and (alzheimer or CNS or neuro)

43816 ALZHEIMER

38228 CNS

12498 NEURO

L20 6 L19 AND (ALZHEIMER OR CNS OR NEURO)

=> d ibib 1-6

L20 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2007:63637 CAPLUS  
DOCUMENT NUMBER: 146:135610  
TITLE: Methods of treating overactive bladder and urinary incontinence  
INVENTOR(S): Laughlin, Mark  
PATENT ASSIGNEE(S): Myriad Genetics, Incorporated, USA  
SOURCE: U.S. Pat. Appl. Publ., 16pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2007015832	A1	20070118	US 2006-487177	20060714
PRIORITY APPLN. INFO.:			US 2005-699727P	P 20050714

L20 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2006:232875 CAPLUS  
DOCUMENT NUMBER: 144:403783  
TITLE: The geminal dimethyl analogue of Flurbiprofen as a novel A $\beta$ 42 inhibitor and potential Alzheimer's disease modifying agent  
AUTHOR(S): Stock, Nicholas; Munoz, Benito; Wrigley, Jonathan D. J.; Shearman, Mark S.; Behr, Dirk; Peachey, James; Williamson, Toni L.; Bain, Gretchen; Chen, Weichao; Jiang, Xiaohui; St-Jacques, Rene; Prasit, Peppi  
CORPORATE SOURCE: Department of Chemistry, Merck Research Laboratories, San Diego, CA, 92121, USA  
SOURCE: Bioorganic & Medicinal Chemistry Letters (2006), 16(8), 2219-2223  
CODEN: BMCLE8; ISSN: 0960-894X  
PUBLISHER: Elsevier B.V.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 35  
THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L20 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2006:167837 CAPLUS  
DOCUMENT NUMBER: 144:239971  
TITLE: Pharmaceutical composition and method for treating neurodegenerative disorders  
INVENTOR(S): Hobden, Adrian  
PATENT ASSIGNEE(S): Myriad Genetics, Inc., USA  
SOURCE: PCT Int. Appl., 64 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006020850	A2	20060223	WO 2005-US28714	20050811
WO 2006020850	A3	20060504		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRIORITY APPLN. INFO.:			US 2004-600447P	P 20040811

L20 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2006:164779 CAPLUS  
DOCUMENT NUMBER: 144:239954  
TITLE: Pharmaceutical compositions acetylcholine esterase inhibitors for treating neurodegenerative disorders  
INVENTOR(S): Hobden, Adrian  
PATENT ASSIGNEE(S): Myriad Genetics, Inc., USA  
SOURCE: PCT Int. Appl., 64 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006020852	A2	20060223	WO 2005-US28716	20050811
WO 2006020852	A3	20060526		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRIORITY APPLN. INFO.:			US 2004-600600P	P 20040811

L20 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2007:63637 CAPLUS  
DOCUMENT NUMBER: 146:135610  
TITLE: Methods of treating overactive bladder and urinary incontinence  
INVENTOR(S): Laughlin, Mark  
PATENT ASSIGNEE(S): Myriad Genetics, Incorporated, USA  
SOURCE: U.S. Pat. Appl. Publ., 16pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2007015832	A1	20070118	US 2006-487177	20060714
PRIORITY APPLN. INFO.:			US 2005-699727P	P 20050714

L20 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2006:232875 CAPLUS  
DOCUMENT NUMBER: 144:403783  
TITLE: The geminal dimethyl analogue of Flurbiprofen as a novel A $\beta$ 42 inhibitor and potential Alzheimer's disease modifying agent  
AUTHOR(S): Stock, Nicholas; Munoz, Benito; Wrigley, Jonathan D. J.; Shearman, Mark S.; Beher, Dirk; Peachey, James; Williamson, Toni L.; Bain, Gretchen; Chen, Weichao; Jiang, Xiaohui; St-Jacques, Rene; Prasit, Peppi  
CORPORATE SOURCE: Department of Chemistry, Merck Research Laboratories, San Diego, CA, 92121, USA  
SOURCE: Bioorganic & Medicinal Chemistry Letters (2006), 16(8), 2219-2223  
CODEN: BMCLE8; ISSN: 0960-894X  
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L20 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2006:167837 CAPLUS  
DOCUMENT NUMBER: 144:239971  
TITLE: Pharmaceutical composition and method for treating neurodegenerative disorders  
INVENTOR(S): Hobden, Adrian  
PATENT ASSIGNEE(S): Myriad Genetics, Inc., USA  
SOURCE: PCT Int. Appl., 64 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006020850	A2	20060223	WO 2005-US28714	20050811
WO 2006020850	A3	20060504		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SI, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			US 2004-600447P	P 20040811

L20 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2006:164779 CAPLUS  
DOCUMENT NUMBER: 144:239954  
TITLE: Pharmaceutical compositions acetylcholine esterase inhibitors for treating neurodegenerative disorders  
INVENTOR(S): Hobden, Adrian  
PATENT ASSIGNEE(S): Myriad Genetics, Inc., USA  
SOURCE: PCT Int. Appl., 64 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006020852	A2	20060223	WO 2005-US28716	20050811
WO 2006020852	A3	20060526		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SI, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			US 2004-600600P	P 20040811

L20 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2006:164727 CAPLUS  
 DOCUMENT NUMBER: 144:260786  
 TITLE: Pharmaceutical compositions containing acetylcholine  
 esterase inhibitors for treating neurodegenerative  
 disorders  
 INVENTOR(S): Hobden, Adrian  
 PATENT ASSIGNEE(S): Myriad Genetics, Inc., USA  
 SOURCE: PCT Int. Appl., 64 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006020853	A2	20060223	WO 2005-US28717	20050811
WO 2006020853	A3	20060526		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.: US 2004-600470P P 20040811				

L20 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:633474 CAPLUS  
 DOCUMENT NUMBER: 141:162386  
 TITLE: Anti-Alzheimer compositions containing  
 geminally di-substituted NSAID derivatives  
 INVENTOR(S): Munoz, Benito; Prasit, Petpiboon; Stock, Nicholas  
 Simon  
 PATENT ASSIGNEE(S): Merck & Co., Inc., USA  
 SOURCE: PCT Int. Appl., 40 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004064771	A2	20040805	WO 2004-US424	20040109
WO 2004064771	A3	20041223		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
AU 2004206796	A1	20040805	AU 2004-206796	20040109
CA 2512704	A1	20040805	CA 2004-2512704	20040109
EP 1587798	A2	20051026	EP 2004-701220	20040109
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006517925	T	20060803	JP 2006-500855	20040109
US 2006063937	A1	20060323	US 2005-540601	20050623
PRIORITY APPLN. INFO.: US 2003-439847P P 20030114				
US 2003-439965P P 20030114				
WO 2004-US424 W 20040109				

OTHER SOURCE(S): MARPAT 141:162386

=&gt;

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chain nodes :

1 2 3 4 10 37

ring nodes :

5 6 7 16 17 18 19 20 21 22 23 24 25 31 32 33 34 35 36 38 39 40  
41 42 43

chain bonds :

1-4 1-2 1-3 1-31 32-37 37-38

ring bonds :

5-6 5-7 6-7 16-17 16-20 17-18 18-19 19-20 21-22 21-25 22-23 23-24 24-25  
31-32 31-36 32-33 33-34 34-35 35-36 38-39 38-43 39-40 40-41 41-42 42-43

exact/norm bonds :

1-4 1-2 1-3 5-6 5-7 6-7 16-17 16-20 17-18 18-19 19-20 21-22 21-25  
22-23 23-24 24-25 32-37 37-38

exact bonds :

1-31

normalized bonds :

31-32 31-36 32-33 33-34 34-35 35-36 38-39 38-43 39-40 40-41 41-42 42-43

G1:[\*1],[\*2]

G2:COOH,[\*3],[\*4]

G3

G4

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:Atom 6:Atom 7:Atom 10:CLASS 16:Atom  
17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom  
31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:CLASS 38:Atom 39:Atom  
40:Atom 41:Atom 42:Atom 43:Atom

Generic attributes :

10:

Saturation : Saturated

Number of Carbon Atoms : less than 7

Element Count :

Node 10: Limited

C,C1-6

L21 STRUCTURE UPLOADED

=> s l21 full

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 12:29:10 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 1162 TO ITERATE

100.0% PROCESSED 1162 ITERATIONS  
SEARCH TIME: 00.00.01

3 ANSWERS

L22 3 SEA SSS FUL L21

L23 4 L22

=> s l23 and (alzheimer or CNS or neuro?)

43816 ALZHEIMER

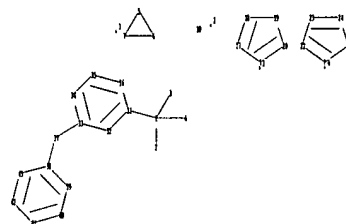
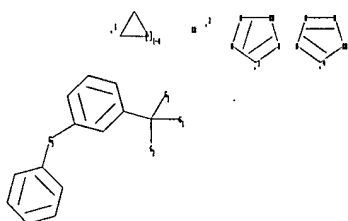
38228 CNS

547240 NEURO?

L24 0 L23 AND (ALZHEIMER OR CNS OR NEURO?)

=>

Uploading C:\Program Files\Stnexp\Queries\10540601\3\_7.str



chain nodes :

1 2 3 4 10 37

ring nodes :

5 6 7 16 17 18 19 20 21 22 23 24 25 31 32 33 34 35 36 38 39 40  
41 42 43

chain bonds :

1-4 1-2 1-3 1-31 33-37 37-38

ring bonds :

5-6 5-7 6-7 16-17 16-20 17-18 18-19 19-20 21-22 21-25 22-23 23-24 24-25  
31-32 31-36 32-33 33-34 34-35 35-36 38-39 38-43 39-40 40-41 41-42 42-43

exact/norm bonds :

1-4 1-2 1-3 5-6 5-7 6-7 16-17 16-20 17-18 18-19 19-20 21-22 21-25  
22-23 23-24 24-25 33-37 37-38

exact bonds :

1-31

normalized bonds :

31-32 31-36 32-33 33-34 34-35 35-36 38-39 38-43 39-40 40-41 41-42 42-43

G1:[\*1],[\*2]



G2:COOH,[\*3],[\*4]

G3

G4

G5:C,O

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:Atom 6:Atom 7:Atom 10:CLASS 16:Atom  
17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom  
31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:CLASS 38:Atom 39:Atom  
40:Atom 41:CLASS 42:CLASS 43:CLASS

Generic attributes :

10:

Saturation : Saturated

Number of Carbon Atoms : less than 7

Element Count :

Node 10: Limited

C,C1-6

L25 STRUCTURE UPLOADED

=> s l25 full

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 12:31:25 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 10298 TO ITERATE

100.0% PROCESSED 10298 ITERATIONS  
SEARCH TIME: 00.00.01

27 ANSWERS

L26 27 SEA SSS FUL L25

L27 26 L26

=> s l27 and (alzheimer or CNS or neuro?)

43816 ALZHEIMER

38228 CNS

547240 NEURO?

L28 7 L27 AND (ALZHEIMER OR CNS OR NEURO?)

=> d ibib 1-7



L28 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2007:63637 CAPLUS  
 DOCUMENT NUMBER: 146:135610  
 TITLE: Methods of treating overactive bladder and urinary incontinence  
 INVENTOR(S): Laughlin, Mark  
 PATENT ASSIGNEE(S): Myriad Genetics, Incorporated, USA  
 SOURCE: U.S. Pat. Appl. Publ., 16pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2007015832	A1	20070118	US 2006-487177	20060714
PRIORITY APPLN. INFO.:			US 2005-699727P	P 20050714

L28 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2006:232875 CAPLUS  
 DOCUMENT NUMBER: 144:403783  
 TITLE: The geminal dimethyl analogue of Flurbiprofen as a novel Aβ42 inhibitor and potential Alzheimer's disease modifying agent  
 AUTHOR(S): Stock, Nicholas; Munoz, Benito; Wrigley, Jonathan D. J.; Shearman, Mark S.; Beher, Dirk; Peachey, James; Williamson, Toni L.; Bain, Gretchen; Chen, Weichao; Jiang, Xiaohui; St-Jacques, Rene; Prasit, Peppi  
 CORPORATE SOURCE: Department of Chemistry, Merck Research Laboratories, San Diego, CA, 92121, USA  
 SOURCE: Bioorganic & Medicinal Chemistry Letters (2006), 16(8), 2219-2223  
 CODEN: BMCLE8; ISSN: 0960-894X  
 PUBLISHER: Elsevier B.V.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 35  
 THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

L28 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2006:167837 CAPLUS  
 DOCUMENT NUMBER: 144:239971  
 TITLE: Pharmaceutical composition and method for treating neurodegenerative disorders  
 INVENTOR(S): Hobden, Adrian  
 PATENT ASSIGNEE(S): Myriad Genetics, Inc., USA  
 SOURCE: PCT Int. Appl., 64 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006020850	A2	20060223	WO 2005-US28714	20050811
WO 2006020850	A3	20060504		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SI, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			US 2004-600447P	P 20040811

L28 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2006:164779 CAPLUS  
 DOCUMENT NUMBER: 144:239954  
 TITLE: Pharmaceutical compositions acetylcholine esterase inhibitors for treating neurodegenerative disorders  
 INVENTOR(S): Hobden, Adrian  
 PATENT ASSIGNEE(S): Myriad Genetics, Inc., USA  
 SOURCE: PCT Int. Appl., 64 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006020852	A2	20060223	WO 2005-US28716	20050811
WO 2006020852	A3	20060526		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SI, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			US 2004-600600P	P 20040811

L28 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2006:164727 CAPLUS  
 DOCUMENT NUMBER: 144:260786  
 TITLE: Pharmaceutical compositions containing acetylcholine esterase inhibitors for treating neurodegenerative disorders  
 INVENTOR(S): Hobden, Adrian  
 PATENT ASSIGNEE(S): Myriad Genetics, Inc., USA  
 SOURCE: PCT Int. Appl., 64 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006020853	A2	20060223	WO 2005-US28717	20050811
WO 2006020853	A3	20060526		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: US 2004-600470P P 20040811

L28 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2006:126012 CAPLUS  
 DOCUMENT NUMBER: 144:212770  
 TITLE: Indazoles as LXR inhibitors, and their preparation, pharmaceutical compositions, and use for treatment of LXR-mediated diseases and cardiovascular diseases  
 INVENTOR(S): Steffan, Robert J.; Matelan, Edward M.; Bowen, M.; Ullrich, John W.; Wrobel, Jay E.; Zamaratski, Edouard; Kruger, Lars; Hedemyr, Annabel L. Olsen; Cheng, Aiping; Hanson, Tomas; Unwalla, Raymond J.; Miller, Christopher P.; Rhonnstad, Patrik P.  
 PATENT ASSIGNEE(S): Wyeth, John, and Brother Ltd., USA  
 SOURCE: U.S. Pat. Appl. Publ., 123 pp., which  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006030612	A1	20060209	US 2005-194263	20050801
WO 2006017384	A2	20060216	WO 2005-US26970	20050801
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: US 2004-598573P P 20040803  
 US 2005-669737P P 20050408

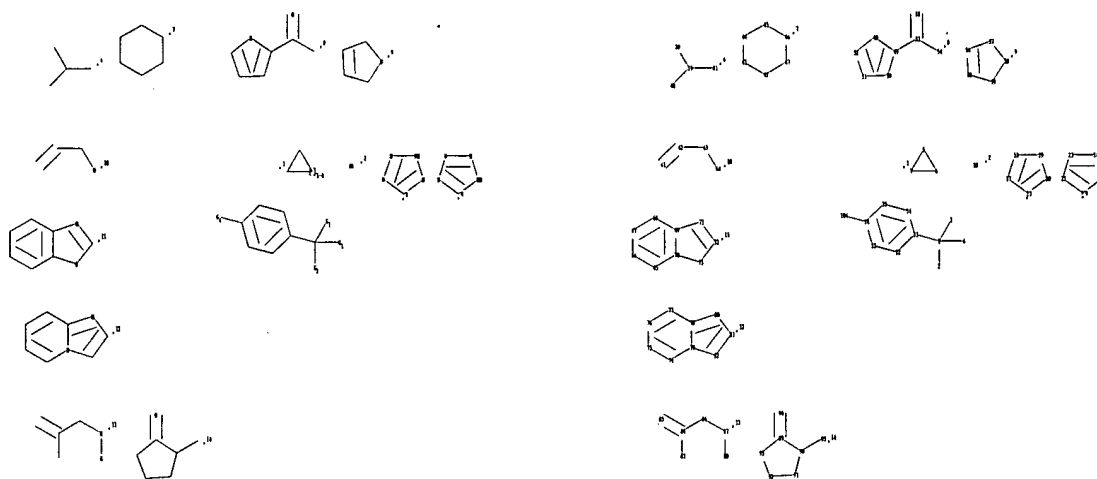
OTHER SOURCE(S): MARPAT 144:212770

L28 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:633474 CAPLUS  
 DOCUMENT NUMBER: 141:162386  
 TITLE: Anti-Alzheimer compositions containing geminally di-substituted NSAID derivatives  
 INVENTOR(S): Munoz, Benito; Prasit, Petpiboon; Stock, Nicholas  
 PATENT ASSIGNEE(S): Merck & Co., Inc., USA  
 SOURCE: PCT Int. Appl., 40 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004064771	A2	20040805	WO 2004-US424	20040109
WO 2004064771	A3	20041223		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
AU 2004206796	A1	20040805	AU 2004-206796	20040109
CA 2512704	A1	20040805	CA 2004-2512704	20040109
EP 1587798	A2	20051026	EP 2004-701220	20040109
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006517925	T	20060803	JP 2006-500855	20040109
US 2006063937	A1	20060323	US 2005-540601	20050623
PRIORITY APPLN. INFO.: US 2003-439847P P 20030114 US 2003-439965P P 20030114 WO 2004-US424 W 20040109				

OTHER SOURCE(S): MARPAT 141:162386

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94 95 106
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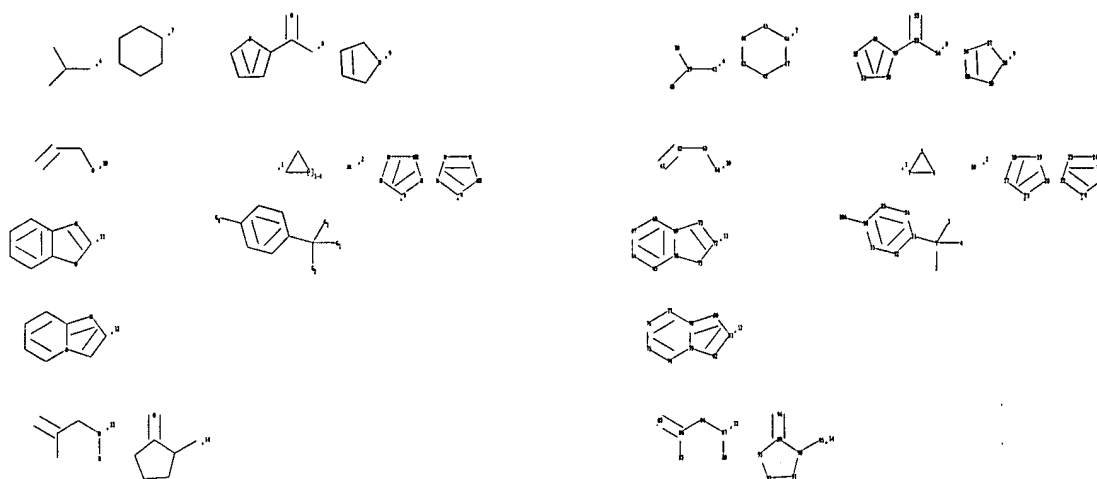
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45	46	47	48	49	50	51	52	56	57	58	59	60	65	66	67	68	69	70	71	72	
73	74	75	76	77	78	79	80	81	82	89	90	91	92	93							

1-4	1-2	1-3	1-31	34-106	38-39	39-40	39-41	49-53	53-54	53-55	61-62	62-63
63-64	83-84	84-85	84-86	86-87	87-88	89-94	90-95					

5-6	5-7	6-7	16-17	16-20	17-18	18-19	19-20	21-22	21-25	22-23	23-24	24-25
31-32	31-36	32-33	33-34	34-35	35-36	42-43	42-47	43-44	44-45	45-46	46-47	
48-49	48-52	49-50	50-51	51-52	56-57	56-60	57-58	58-59	59-60	65-66	65-70	
66-67	67-68	68-69	69-70	69-71	70-73	71-72	72-73	74-75	74-79	75-76	76-77	
77-78	78-79	78-80	79-82	80-81	81-82	89-90	89-93	90-91	91-92	92-93		

=&gt;

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chain nodes :

1 2 3 4 10 38 39 40 41 53 54 55 61 62 63 64 83 84 85 86 87 88  
94 95 106

ring nodes :

5 6 7 16 17 18 19 20 21 22 23 24 25 31 32 33 34 35 36 42 43 44  
45 46 47 48 49 50 51 52 56 57 58 59 60 65 66 67 68 69 70 71 72  
73 74 75 76 77 78 79 80 81 82 89 90 91 92 93

chain bonds :

1-4 1-2 1-3 1-31 34-106 38-39 39-40 39-41 49-53 53-54 53-55 61-62 62-63  
63-64 83-84 84-85 84-86 86-87 87-88 89-94 90-95

ring bonds :

5-6 5-7 6-7 16-17 16-20 17-18 18-19 19-20 21-22 21-25 22-23 23-24 24-25  
31-32 31-36 32-33 33-34 34-35 35-36 42-43 42-47 43-44 44-45 45-46 46-47  
48-49 48-52 49-50 50-51 51-52 56-57 56-60 57-58 58-59 59-60 65-66 65-70  
66-67 67-68 68-69 69-70 69-71 70-73 71-72 72-73 74-75 74-79 75-76 76-77  
77-78 78-79 78-80 79-82 80-81 81-82 89-90 89-93 90-91 91-92 92-93

## exact/norm bonds :

1-4 1-2 1-3 5-6 5-7 6-7 16-17 16-20 17-18 18-19 19-20 21-22 21-25  
 22-23 23-24 24-25 34-106 42-43 42-47 43-44 44-45 45-46 46-47 48-49 48-52  
 49-50 50-51 51-52 53-55 56-57 56-60 57-58 58-59 59-60 63-64 69-71 70-73  
 71-72 72-73 74-75 74-79 75-76 76-77 77-78 78-79 78-80 79-82 80-81 81-82  
 86-87 89-90 89-93 89-94 90-91 91-92 92-93

## exact bonds :

1-31 38-39 39-40 39-41 49-53 53-54 61-62 62-63 83-84 84-85 84-86 87-88  
 90-95

## normalized bonds :

31-32 31-36 32-33 33-34 34-35 35-36 65-66 65-70 66-67 67-68 68-69 69-70

G1:[\*1],[\*2]

G2:COOH,[\*3],[\*4]

G3

G4

G5:C,O

G6:Hy,[\*5],[\*6],[\*7],[\*8],[\*9],[\*10],[\*11],[\*12],[\*13]

## Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:Atom 6:Atom 7:Atom 10:CLASS 16:Atom  
 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom  
 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 38:CLASS 39:CLASS 40:CLASS  
 41:CLASS 42:CLASS 43:CLASS 44:CLASS 45:Atom 46:Atom 47:Atom 48:Atom 49:Atom  
 50:Atom 51:Atom 52:Atom 53:CLASS 54:CLASS 55:CLASS 56:Atom 57:Atom 58:Atom  
 59:Atom 60:Atom 61:CLASS 62:CLASS 63:CLASS 64:CLASS 65:Atom 66:Atom  
 67:Atom 68:Atom 69:Atom 70:Atom 71:Atom 72:Atom 73:Atom 74:Atom 75:Atom  
 76:Atom 77:Atom 78:Atom 79:Atom 80:Atom 81:Atom 82:Atom 83:CLASS 84:CLASS  
 85:CLASS 86:CLASS 87:CLASS 88:CLASS 89:Atom 90:Atom 91:Atom 92:Atom 93:Atom  
 94:CLASS 95:CLASS 106:CLASS

## Generic attributes :

10:

Saturation : Saturated

Number of Carbon Atoms : less than 7

## Element Count :

Node 10: Limited

C,C1-6

L29 STRUCTURE UPLOADED

=> s 129 full

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 12:39:23 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 273838 TO ITERATE

100.0% PROCESSED 273838 ITERATIONS  
SEARCH TIME: 00.00:03

180 ANSWERS

L30 180 SEA SSS FUL L29

L31 125 L30

=> s l31 and (alzheimer or CNS or neuro)

43816 ALZHEIMER

38228 CNS

12498 NEURO

L32 19 L31 AND (ALZHEIMER OR CNS OR NEURO)

=> d ibib 1-19



L32 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2007:63637 CAPLUS  
 DOCUMENT NUMBER: 146:135610  
 TITLE: Methods of treating overactive bladder and urinary incontinence  
 INVENTOR(S): Laughlin, Mark  
 PATENT ASSIGNEE(S): Myriad Genetics, Incorporated, USA  
 SOURCE: U.S. Pat. Appl. Publ., 16pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2007015832	A1	20070118	US 2006-487177	20060714
PRIORITY APPLN. INFO.:			US 2005-699727P	P 20050714

L32 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2007:14431 CAPLUS  
 DOCUMENT NUMBER: 146:121962  
 TITLE: Pyrazole based LXR modulators and their preparation, pharmaceutical compositions and use in the treatment of diseases  
 INVENTOR(S): Busch, Breet B.; Flatt, Brenton T.; Gu, Xiao Hui; Martin, Richard; Mohan, Raju; Nyman, Michael Charles; Schweiger, Edwin; Stevens, William C., Jr.; Wang, Tie Lin; Xie, Yinnong  
 PATENT ASSIGNEE(S): Exelixis, Inc., USA  
 SOURCE: PCT Int. Appl., 533pp., which  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007002559	A1	20070104	WO 2006-US24749	20060626
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRIORITY APPLN. INFO.:			US 2005-694372P	P 20050627
			US 2005-736120P	P 20051110

OTHER SOURCE(S): MARPAT 146:121962  
 REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

L32 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2006:91954 CAPLUS  
 DOCUMENT NUMBER: 145:315004  
 TITLE: Preparation of phthalazine, aza- and diaza-phthalazine  
 INVENTOR(S): Tasker, Andrew; Zhang, Dawei; Cao, Guo-Qiang; Chakrabarti, Partha, Pratim; Falsey, James, Richard; Herberich, Bradley, J.; Hungate, Randall, W.; Pettus, Liping, H.; Reed, Anthony; Rzasa, Robert, M.; Sham, Kelvin, K. C.; Thaman, Maya, C.; Xu, Shimin  
 PATENT ASSIGNEE(S): Amgen Inc, USA  
 SOURCE: PCT Int. Appl., 209pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006094187	A2	20060908	WO 2006-US7583	20060303
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
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US 2006199817	A1	20060907	US 2006-367123	20060302
PRIORITY APPLN. INFO.:			US 2005-659003P	P 20050303
			US 2006-367123	A 20060302

OTHER SOURCE(S): MARPAT 145:315004

L32 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2006:232875 CAPLUS  
 DOCUMENT NUMBER: 144:403783  
 TITLE: The geminal dimethyl analogue of Flurbiprofen as a novel A $\beta$ 42 inhibitor and potential Alzheimer's disease modifying agent  
 AUTHOR(S): Stock, Nicholas; Munoz, Benito; Wrigley, Jonathan D. J.; Shearman, Mark S.; Beher, Dirk; Peachey, James; Williamson, Toni L.; Bain, Gretchen; Chen, Weichao; Jiang, Xiaohui; St-Jacques, Rene; Prasit, Peppi  
 CORPORATE SOURCE: Department of Chemistry, Merck Research Laboratories, San Diego, CA, 92121, USA  
 SOURCE: Bioorganic & Medicinal Chemistry Letters (2006), 16(8), 2219-2223  
 CODEN: BMCLEB; ISSN: 0960-894X  
 PUBLISHER: Elsevier B.V.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

L32 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2007 ACS on STM  
 ACCESSION NUMBER: 2006:19537 CAPLUS  
 DOCUMENT NUMBER: 144:274000  
 TITLE: Biphenyl-carboxylic acids and derivatives thereof and their preparations, pharmaceutical compositions,  $\gamma$ -secretase-modulating activity, and use in therapy and treatment of Alzheimer's disease  
 INVENTOR(S): Ramsden, Nigel; Wilson, Francis; Reid, Alison;  
 Reader, Valerie; Miller, Warren; Harrison, Richard John; Sunose, Mihiro; Hernandez-Perni, Remedios; Major, Jeremy; Bousard, Cyrille; Smelt, Kathryn; Taylor, Jess; Leformal, Adeline; Cansfield, Andrew; Burckhardt, Svenja  
 PATENT ASSIGNEE(S): Cellzome AG, Germany  
 SOURCE: PCT Int. Appl., 39 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006021441	A1	20060302	WO 2005-EP9188	20050825
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BE, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRIORITY APPLN. INFO.:			EP 2004-20131	A 20040825
			US 2005-642108P	P 20050110

OTHER SOURCE(S): MARPAT 144:274000  
 REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

L32 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2007 ACS on STM  
 ACCESSION NUMBER: 2006:167837 CAPLUS  
 DOCUMENT NUMBER: 144:239971  
 TITLE: Pharmaceutical composition and method for treating neurodegenerative disorders  
 INVENTOR(S): Hobden, Adrian  
 PATENT ASSIGNEE(S): Myriad Genetics, Inc., USA  
 SOURCE: PCT Int. Appl., 64 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006020850	A2	20060223	WO 2005-US28714	20050811
WO 2006020850	A3	20060504		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRIORITY APPLN. INFO.:			US 2004-600447P	P 20040811

L32 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2007 ACS on STM  
 ACCESSION NUMBER: 2006:164779 CAPLUS  
 DOCUMENT NUMBER: 144:239954  
 TITLE: Pharmaceutical compositions acetylcholine esterase inhibitors for treating neurodegenerative disorders  
 INVENTOR(S): Hobden, Adrian  
 PATENT ASSIGNEE(S): Myriad Genetics, Inc., USA  
 SOURCE: PCT Int. Appl., 64 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006020852	A2	20060223	WO 2005-US28716	20050811
WO 2006020852	A3	20060526		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRIORITY APPLN. INFO.:			US 2004-600600P	P 20040811

L32 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2007 ACS on STM  
 ACCESSION NUMBER: 2006:164727 CAPLUS  
 DOCUMENT NUMBER: 144:260786  
 TITLE: Pharmaceutical compositions containing acetylcholine esterase inhibitors for treating neurodegenerative disorders  
 INVENTOR(S): Hobden, Adrian  
 PATENT ASSIGNEE(S): Myriad Genetics, Inc., USA  
 SOURCE: PCT Int. Appl., 64 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006020853	A2	20060223	WO 2005-US28717	20050811
WO 2006020853	A3	20060526		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRIORITY APPLN. INFO.:			US 2004-600470P	P 20040811

L32 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2006:75173 CAPLUS  
 DOCUMENT NUMBER: 144:150126  
 TITLE: Arylacetic acids and related compounds and their preparation, pharmaceutical compositions and their use  
 for treatment of diseases associated with the deposition of  $\beta$ -amyloid peptides in the brain such as Alzheimer's disease  
 INVENTOR(S): Blurton, Peter; Burkamp, Frank; Churcher, Ian; Harrison, Timothy; Neduvellil, Joseph  
 PATENT ASSIGNEE(S): Merck Sharp & Dohme Limited, UK  
 SOURCE: PCT Int. Appl., 58 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006008558	A1	20060126	WO 2005-GB50114	20050719
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
AU 2005264004	A1	20060126	AU 2005-264004	20050719
PRIORITY APPLN. INFO.:			GB 2004-16508	A 20040723
			WO 2005-GB50114	W 20050719

OTHER SOURCE(S): MARPAT 144:150126  
 REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

L32 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2005:1075559 CAPLUS  
 DOCUMENT NUMBER: 143:367205  
 TITLE: Preparation of compounds, especially indoles and biphenyls, useful for treating neurodegenerative disorders, particularly Alzheimer's disease and other amyloid  $\beta$ 42 protein-related disorders  
 INVENTOR(S): Slade, Rachel M.; Weiner, Warren S.; Delmar, Eric G.; Klimova, Yevgeniya I.; Trovato, Richard  
 PATENT ASSIGNEE(S): Myriad Genetics, Inc., USA  
 SOURCE: PCT Int. Appl., 110 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005092062	A2	20051006	WO 2005-US9595	20050321
WO 2005092062	A3	20060803		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRIORITY APPLN. INFO.:			US 2004-554571P	P 20040319
			US 2004-590259P	P 20040722

OTHER SOURCE(S): MARPAT 143:367205

L32 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2005:703874 CAPLUS  
 DOCUMENT NUMBER: 143:326018  
 TITLE: Synthesis and biological activity of flurbiprofen analogues as selective inhibitors of  $\beta$ -amyloid-42 secretion  
 AUTHOR(S): Peretto, Ilaria; Raddeelli, Stefano; Parini, Carlo; Zandi, Michele; Raveglia, Luca F.; Dondio, Giulio; Fontanella, Laura; Misiano, Paola; Bigogno, Chiara; Rizzi, Andrea; Riccardi, Benedetta; Bisciolli, Marcello; Marchetti, Silvia; Puccini, Paola; Catinella, Silvia; Rondelli, Ivano; Cenacchi, Valentina; Bolzoni, Pier Tonino; Caruso, Paola; Villetti, Gino; Facchinetti, Fabrizio; Del Giudice, Eida; Moretto, Nadia; Imbimbo, Bruno P.  
 CORPORATE SOURCE: Research Development, Chiesi Farmaceutici S.p.A., Parma, 43100, Italy  
 SOURCE: Journal of Medicinal Chemistry (2005), 48(18), 5705-5720  
 CODEN: JMCMAR; ISSN: 0022-2623  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 143:326018  
 REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

L32 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2005:673248 CAPLUS  
 DOCUMENT NUMBER: 143:153077  
 TITLE: Preparation of dicarboxylic acid ketones for cholesterol management and related uses  
 INVENTOR(S): Dasseaux, Jean-Louis; Oniclu, Carmen Daniela  
 PATENT ASSIGNEE(S): Esperion Therapeutics, Inc., USA  
 SOURCE: PCT Int. Appl., 331 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005068412	A1	20050728	WO 2003-US41448	20031224
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2549995	A1	20050728	CA 2003-2549995	20031224
AU 2003304703	A1	20060803	AU 2003-304703	20031224
EP 1701931	A1	20060920	EP 2003-808575	20031224
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, SK			
BR 2003018695	A	20061219	BR 2003-18695	20031224
PRIORITY APPLN. INFO.:			WO 2003-US41448	W 20031224

OTHER SOURCE(S): MARPAT 143:153077  
 REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

L32 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:825143 CAPLUS  
 DOCUMENT NUMBER: 141:314010  
 TITLE: Preparation of aliphatic and aryl ketone derivatives and compositions for cholesterol management and related uses  
 INVENTOR(S): Dasseux, Jean-Louis Henri; Oniciu, Daniela Carmen  
 PATENT ASSIGNEE(S): USA  
 SOURCE: U.S. Pat. Appl. Publ., 171 pp., Cont.-in-part of U.S. Ser. No. 976,938.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004198814	A1	20041007	US 2003-743952	20031224
US 2003078239	A1	20030424	US 2001-976938	20011011
US 6699910	B2	20040302		

PRIORITY APPLN. INFO.: US 2001-976938 A2 20011011  
 US 2000-239232P P 20001011

OTHER SOURCE(S): MARPAT 141:314010

L32 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:718499 CAPLUS  
 DOCUMENT NUMBER: 141:243186  
 TITLE: Preparation of 1-phenylalkanecarboxylic acid derivatives for the treatment of neurodegenerative diseases  
 INVENTOR(S): Raveglia, Luca; Peretto, Lilaria; Radaelli, Stefano; Imbimbo, Bruno Pietro; Rizzi, Andrea; Villetti, Gino  
 PATENT ASSIGNEE(S): Chiesi Farmaceutici S.p.A., Italy  
 SOURCE: PCT Int. Appl., 26 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004074232	A1	20040902	WO 2004-EPI596	20040219
WO 2004074232	A8	20050909		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SN, SV, T, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GW, IL, IN, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SN, SV, T, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

AU 2004213145 A1 20040902 AU 2004-213145 20040219  
 CA 2514384 A1 20040902 CA 2004-2514384 20040219  
 EP 1594833 A1 20051116 EP 2004-712483 20040219

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

BR 2004007662 A 20060301 BR 2004-7662 20040219  
 CN 1751018 A 20060322 CN 2004-8004729 20040219  
 JP 2006518351 T 20060810 JP 2006-501896 20040219  
 NO 2005003855 A 20051121 NO 2005-3855 20050818

PRIORITY APPLN. INFO.: IT 2003-MI311 A 20030221  
 IT 2003-MI2068 A 20031023  
 WO 2004-EPI596 A 20040219

OTHER SOURCE(S): MARPAT 141:243186  
 REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

L32 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:633474 CAPLUS  
 DOCUMENT NUMBER: 141:162386  
 TITLE: Anti-Alzheimer compositions containing geminally di-substituted NSAID derivatives  
 INVENTOR(S): Munoz, Benito; Prasit, Petpiboon; Stock, Nicholas  
 Simon  
 PATENT ASSIGNEE(S): Merck & Co., Inc., USA  
 SOURCE: PCT Int. Appl., 40 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004064771	A2	20040805	WO 2004-US424	20040109
WO 2004064771	A3	20041223		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SN, SV, T, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

AU 2004206796 A1 20040805 AU 2004-206796 20040109  
 CA 2512704 A1 20040805 CA 2004-2512704 20040109  
 EP 1587798 A2 20051026 EP 2004-701220 20040109

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

JP 2006517925 T 20060803 JP 2006-500855 20040109  
 US 2006063937 A1 20060323 US 2005-540601 20050623

PRIORITY APPLN. INFO.: US 2003-439847P P 20030114  
 US 2003-439965P P 20030114  
 WO 2004-US424 W 20040109

OTHER SOURCE(S): MARPAT 141:162386

L32 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:467889 CAPLUS  
 DOCUMENT NUMBER: 141:38596  
 TITLE: Preparation of biphenylsaphthridonecarboxamides as phosphodiesterase-4 inhibitors  
 INVENTOR(S): Dube, Daniel; Gallant, Michel; Lacombe, Patrick; Aspiotis, Renee; Dube, Laurence; Girard, Yves; MacDonald, Dwight  
 PATENT ASSIGNEE(S): Merck Frosst Canada & Co., Can.  
 SOURCE: PCT Int. Appl., 116 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004048374	A1	20040610	WO 2003-CA1800	20031119

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SN, SV, T, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GW, IL, IN, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SN, SV, T, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

CA 2506648 A1 20040610 CA 2003-2506648 20031119  
 AU 2003283167 A1 20040618 AU 2003-283167 20031119  
 EP 1565464 A1 20050824 EP 2003-775029 20031119

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

BR 2003016458 A 20051011 BR 2003-16458 20031119  
 CN 1738819 A 20060222 CN 2003-80108952 20031119  
 JP 2006508989 T 20060316 JP 2004-554102 20031119  
 US 2005107402 A1 20050519 US 2004-764229 20040123  
 US 2006058316 A1 20060316 US 2005-534582 20050511  
 NO 2005003046 A 20050727 US 2002-428611P P 20021122

PRIORITY APPLN. INFO.: US 2002-428611P P 20021122  
 WO 2003-CA1800 W 20031119

OTHER SOURCE(S): MARPAT 141:38596  
 REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

L32 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:101169 CAPLUS  
 DOCUMENT NUMBER: 140:146121  
 TITLE: Preparation of furoisoquinoline derivatives as phosphodiesterase 4 inhibitors  
 INVENTOR(S): Inoue, Yoshihisa; Fujii, Nobuhiro; Gyoten, Michiyo; Matsumoto, Tatsumi  
 PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan  
 SOURCE: PCT Int. Appl., 272 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004011470	A1	20040205	WO 2003-JP9386	20030724
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SJ, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003281691	A1	20040216	AU 2003-281691	20030724
JP 2004067690	A	20040304	JP 2003-279166	20030724
EP 1541576	A1	20050615	EP 2003-741560	20030724
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
CN 1681823	A	20051012	CN 2003-822319	20030724
US 2006106048	A1	20060518	US 2005-522119	20051118
PRIORITY APPLN. INFO.:			JP 2002-217496	A 20020726
			WO 2003-JP9386	W 20030724

OTHER SOURCE(S): MARPAT 140:146121  
 REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
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L32 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:2860 CAPLUS  
 DOCUMENT NUMBER: 140:59526  
 TITLE: Preparation of 8-(biaryl)quinolines as PDE4 inhibitors  
 INVENTOR(S): Deschenes, Denis; Dube, Daniel; Dube, Laurence; Gallant, Michel; Girard, Yves; Lacombe, Patrick; MacDonald, Dwight  
 PATENT ASSIGNEE(S): Merck Frost Canada & Co., Can.  
 SOURCE: PCT Int. Appl., 122 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000814	A1	20031231	WO 2003-CA957	20030623
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2490043	A1	20031231	CA 2003-2490043	20030623
AU 2003243870	A1	20040106	AU 2003-243870	20030623
EP 1517895	A1	20050330	EP 2003-760540	20030623
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
JP 2006502104	T	20060119	JP 2004-514482	20030623
US 2005234238	A1	20051020	US 2004-517416	20041208
US 7153968	B2	20061226		
PRIORITY APPLN. INFO.:			US 2002-391364P	P 20020625
			US 2002-428313P	P 20021122
			WO 2003-CA957	W 20030623

OTHER SOURCE(S): MARPAT 140:59526  
 REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
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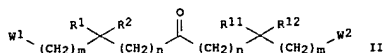
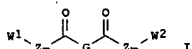
L32 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2002:293585 CAPLUS  
 DOCUMENT NUMBER: 136:325529  
 TITLE: Aliphatic, aromatic, and heterocyclic ketone compounds  
 INVENTOR(S): Dasseux, Jean-Louis H.; Oniciu, Carmen Daniela  
 PATENT ASSIGNEE(S): Esperion Therapeutics, Inc., USA  
 SOURCE: PCT Int. Appl., 285 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002030860	A2	20020418	WO 2001-US31872	20011011
WO 2002030860	A3	20020815		
WO 2002030860	A9	20030220		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2425311	A1	20020418	CA 2001-2425311	20011011
AU 200213136	A	20020422	AU 2002-13136	20011011
EP 1326822	A2	20030716	EP 2001-981499	20011011
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2004511453	T	20040415	JP 2002-534250	20011011
BR 2001014622	A	20040629	BR 2001-14622	20011011
EP 1564200	A1	20050817	EP 2005-9613	20011011
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR			
PRIORITY APPLN. INFO.:			US 2000-239232P	P 20001011
			EP 2001-981499	A3 20011011
			WO 2001-US31872	W 20011011

OTHER SOURCE(S): MARPAT 136:325529

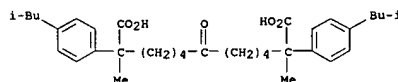
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L32 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
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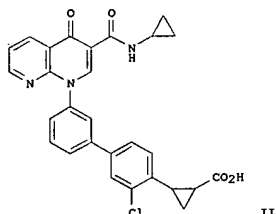
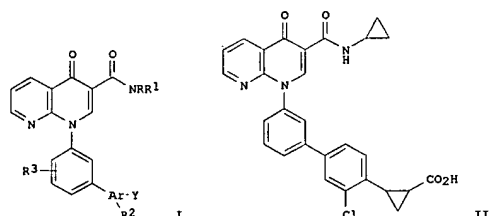


AB Title compds. I [Z independently = CH<sub>2</sub>, CH=CH, Ph, wherein each occurrence of m independently = 1-9, but when Z = Ph then its associated m = 1; G = (CH<sub>2</sub>)<sub>x</sub>, CH<sub>2</sub>CH=CHCH<sub>2</sub>, CH=CH, CH<sub>2</sub>C<sub>6</sub>H<sub>4</sub>CH<sub>2</sub>, or Ph wherein x = 2-4; W<sub>1</sub> and W<sub>2</sub> independently = L, V, C(R<sub>1</sub>)(R<sub>2</sub>)(CH<sub>2</sub>)<sub>c</sub>(R<sub>3</sub>)(R<sub>4</sub>)(CH<sub>2</sub>)<sub>n</sub>Y, or C(R<sub>1</sub>)(R<sub>2</sub>)-(CH<sub>2</sub>)<sub>c</sub>V, wherein c = 1-2 and n = 0-4; R<sub>1</sub> and R<sub>2</sub> independently = CO<sub>2</sub>H, CO<sub>2</sub>alkyl, alkyl, etc. or when W<sub>1</sub> or W<sub>2</sub> = C(R<sub>1</sub>)(R<sub>2</sub>)(CH<sub>2</sub>)<sub>c</sub>(R<sub>3</sub>)(R<sub>4</sub>)Y, then R<sub>1</sub> and R<sub>2</sub> can both be H, or R<sub>1</sub> and R<sub>2</sub> and the carbon to which they are attached are taken together to form a cycloalkyl group; R<sub>3</sub> and R<sub>4</sub> = H, OH, CO<sub>2</sub>H, CO<sub>2</sub>alkyl, alkyl, etc., with provision that when R<sub>1</sub> and R<sub>2</sub> are both H, then one of R<sub>3</sub> and R<sub>4</sub> is not H, or R<sub>3</sub> and R<sub>4</sub> and the carbon to which they are attached are taken together to form a cycloalkyl group; L = C(R<sub>1</sub>)(R<sub>2</sub>)(CH<sub>2</sub>)<sub>n</sub>Y; V = lactone; Y = alkyl, OH, CHO, SO<sub>3</sub>H, heterocyclyl, etc.] and II [R<sub>1</sub> and R<sub>2</sub> = CO<sub>2</sub>H, CO<sub>2</sub>alkyl, alkenyl, alkynyl, etc., or R<sub>1</sub> and R<sub>2</sub> together with the carbon to which they are attached from a cycloalkyl group; R<sub>1</sub> and R<sub>2</sub> independently = CO<sub>2</sub>H, CO<sub>2</sub>alkyl, alkenyl, alkynyl, etc., or R<sub>1</sub> and R<sub>2</sub> together with the carbon to which they are attached from a cycloalkyl group; n = 1-6; m independently = 0-4; W<sub>1</sub> and W<sub>2</sub> = CH<sub>2</sub>OH, CHO, etc.] as well as their pharmaceutically acceptable salts are prepared and disclosed as useful for treating and preventing cardiovascular diseases, dyslipidemias, dysproteinemias, and glucose metabolism disorders. Thus, e.g., II was prepared via alkylation of 2-(6-bromo-2,2-dimethylhexyloxy)tetrahydropyran (preparation given) with toluenesulfonylmethylisocyanate and subsequent alkylation with 2-(5-bromo-2,2-dimethylpentyloxy)-tetrahydropyran (preparation given) followed by deprotection. Effects of I on reduction of cholesterol levels were studied

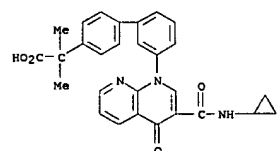
L32 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
in female obese Zucker rats, e.g., II decreased nonHDL-cholesterol by 26% in one week. The compds., compns., and methods of the invention are also useful for treating and preventing Alzheimer's Disease, Syndrome X, peroxisome proliferator activated receptor-related disorders, septicemia, thrombotic disorders, obesity, pancreatitis, hypertension, renal disease, cancer, inflammation, and impotence. In certain embodiments, the compds., compns., and methods of the invention are useful in combination therapy with other therapeutics, such as hypocholesterolemic and hypoglycemic agents.  
IT 413627-68-6P  
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(drug candidate; preparation of aliphatic and aryl ketone derivs. for cholesterol management with addnl.therapeutic claims)  
RN 413627-68-6 CAPLUS  
CN Tridecanedioic acid, 2,12-dimethyl-2,12-bis[4-(2-methylpropyl)phenyl]-7-oxo- (9CI) (CA INDEX NAME)



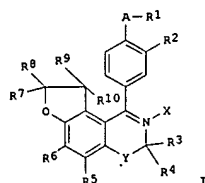
L32 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
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AB Title compds. [I: Ar = Ph, pyridyl, pyrimidyl, indolyl, quinolyl, thienyl, pyridonyl, oxazolyl, oxadiazolyl, thiadiazolyl, imidazolyl; Y = CO<sub>2</sub>R<sub>4</sub>, ACO<sub>2</sub>R<sub>4</sub>, etc.; A = alkyl; R, R<sub>4</sub> = H, alkyl; R<sub>1</sub> = H, (substituted) alkyl, cycloalkyl, alkoxy, alkenyl, alkynyl, heteroaryl, heterocyclyl; R<sub>2</sub> = H, halo, cyano, NO<sub>2</sub>, (substituted) alkyl, cycloalkyl, alkoxy, Ph, heteroaryl, amino, etc.; R<sub>3</sub> = H, halo, cyano, NO<sub>2</sub>, (substituted) alkyl, cycloalkyl, etc.], were prepared. Thus, title compound (II) (preparation outlined) inhibited PDE4-mediated hydrolysis of cAMP to AMP with IC<sub>50</sub> = 0.1 nM.  
IT 702639-55-2P  
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(claimed compound; preparation of biphenyl-naphthridonecarboxamides as phosphodiesterase-4 inhibitors)  
RN 702639-55-2 CAPLUS  
CN [1,1'-Biphenyl]-4-acetic acid, 3'-[3-[(cyclopropylamino)carbonyl]-4-oxo-1,8-naphthridin-1(4H)-yl]-α,α-dimethyl- (9CI) (CA INDEX NAME)



L32 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

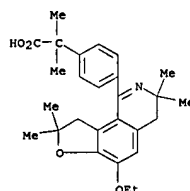
L32 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
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AB The title compds. I [X represents (O)n; A represents a bond, a group represented by the formula CRa:CRb (Ra and Rb each represents hydrogen or Cl-6 alkyl), etc.; R1 represents cyano or optionally esterified or amidated carboxy; R2 represents hydrogen, optionally substituted hydroxy, optionally substituted amino, etc.; R3 and R4 each represents hydrogen, etc.; R5 represents hydrogen, etc.; R6 represents optionally substituted hydroxy, etc.; R7 and R8 each represents optionally substituted hydrocarbon group, etc.; R9 and R10 each represents hydrogen, etc.; Y represents optionally substituted methylene; and n is 0 or 1] are prepared

The bioactivity of I was demonstrated. Formulations are given.  
IT 652996-98-0P  
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of furoisoquinoline deriva. as phosphodiesterase 4 inhibitors)

RN 652996-98-0 CAPLUS  
CN Benzeneacetic acid, 4-(6-ethoxy-3,4,8,9-tetrahydro-3,3,8,8-tetramethylfuro[2,3-h]isoquinolin-1-yl)- $\alpha,\alpha$ -dimethyl-, hydrochloride (9CI) (CA INDEX NAME)

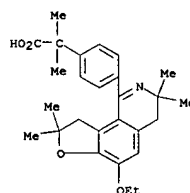
L32 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



● HC1

IT 652996-97-9P  
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of furoisoquinoline deriva. as phosphodiesterase 4 inhibitors)

RN 652996-97-9 CAPLUS  
CN Benzeneacetic acid, 4-(6-ethoxy-3,4,8,9-tetrahydro-3,3,8,8-tetramethylfuro[2,3-h]isoquinolin-1-yl)- $\alpha,\alpha$ -dimethyl- (9CI) (CA INDEX NAME)

L32 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
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\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Title compds. I [wherein A = C or N; X = Ph, pyridyl, pyrazinyl, thiaphenyl, quinolinyl, benzofuranyl, oxadiazolyl, diazolyldipyrindinyl, imidazolyldipyrindinyl, oxadiazolyldiphenyl, benzodioxolyl; R1 = H, halo, or (un)substituted alkanoyl, cyclo/alkyl, alkenyl; R2, R3 = independently H, halo, OH, CN, NO2, or dialkenyl/dicycloalkyl/alkyl, alkenyl, wide variety of C-containing and heteroat. groups and/or functional groups optionally linked by Cl-4alkyl; R2 optionally forms a double bond with an adjoining bond; R4 = H, halo; any ring nitrogen optionally forms N-oxide and N-chloride; and pharmaceutically acceptable salts thereof] were prepared

as phosphodiesterase IV (PDE4) inhibitors. For example, II was prepared by Suzuki cross-coupling of quinoline III with 2-bromo-3-chlorothiophene. One hundred fifty-five invention compds. suppressed PDE4 with IC50 values ranging from 36  $\mu$ M to 0.005  $\mu$ M in assays evaluating LPS- and FMLP-induced inhibition of tumor necrosis factor  $\alpha$  (TNF- $\alpha$ ) and leukotriene B4 (LTB4) in human whole blood. In a test measuring IgE-mediated allergic pulmonary inflammation induced by inhalation of antigen by sensitized guinea pigs, administration of I resulted in a significant reduction in the eosinophilia and the accumulation of other inflammatory leukocytes and effected less inflammatory lung damage. One hundred fifty-five invention compds. also inhibited the hydrolysis of

CAMP to AMP by human recombinant phosphodiesterase IVa with IC50 values ranging from 160 nM to 0.086 nM. Thus, I and their pharmaceutical compds. are useful for the treatment or prevention of a variety of allergic, inflammatory, CNS, and other conditions (no data).

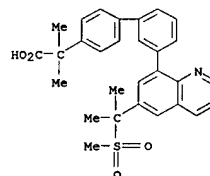
IT 638220-32-3P, 2-[3'-[6-[1-(Methylsulfonyl)-1-methylethyl]quinolin-8-yl]biphenyl-4-yl]-2-methylpropionic acid  
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(PDE4 inhibitor; preparation of 8-arylquinoline PDE4 inhibitors for treatment of a variety of allergic, inflammatory, CNS, and other conditions)

RN 638220-32-3 CAPLUS

CN [1,1'-Biphenyl]-4-acetic acid,  $\alpha,\alpha$ -dimethyl-3'-[6-[1-methyl-1-(methylsulfonyl)ethyl]-8-quinolinyl]- (9CI) (CA INDEX NAME)

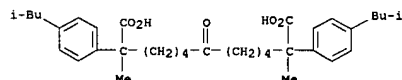
L32 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)





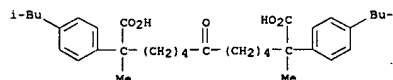
L32 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 AB The invention relates to novel ketone compds., compns. comprising such ketone compds., and methods useful for treating and preventing cardiovascular diseases, dyslipidemias, dysproteinemias, and glucose metabolism disorders, comprising administering a composition comprising such a compound. In particular, compds. W1-Zm-C(O)-G-C(O)-Zm-W2 (I) and their pharmaceutically acceptable salts, hydrates, solvates, clathrates, stereoisomers, geometric isomers, and racemates, are claimed [wherein:  
 (a) each Z is independently CH<sub>2</sub>, CH=CH, or Ph; each m is independently 1-9, but when Z is Ph, then its associated m is 1; (b) G is (CH<sub>2</sub>)<sub>x</sub>, CH<sub>2</sub>CH=CHCH<sub>2</sub>, CH=CH, CH<sub>2</sub>-phenyl-CH<sub>2</sub>, or Ph, where x is 2-4; (c) W1 and W2 are independently L, V, C(R1)(R2)-(CH<sub>2</sub>)<sub>c</sub>-C(R3)(R4)-(CH<sub>2</sub>)<sub>0-4</sub>-Y, or C(R1)(R2)-(CH<sub>2</sub>)<sub>c</sub>-V where c is 1 or 2; (d) each R1 or R2 is independently (C1-C6)alkyl, (C2-C6)alkenyl, (C2-C6)alkynyl, Ph, or benzyl or when one or both of W1 and W2 is C(R1)(R2)-(CH<sub>2</sub>)<sub>c</sub>-C(R3)(R4)-(CH<sub>2</sub>)<sub>0-4</sub>-Y, then R1 and R2 can both be H to form a methylene group; (e) R3 is H, (C1-C6)alkyl, (C2-C6)alkenyl, (C2-C6)alkynyl, (C1-C6)alkoxy, Ph, benzyl, Cl, Br, CN, NO<sub>2</sub>, or CF<sub>3</sub>; (f) R4 is OH, (C1-C6)alkyl, (C2-C6)alkenyl, (C2-C6)alkynyl, (C1-C6)alkoxy, Ph, benzyl, Cl, Br, CN, NO<sub>2</sub>, or CF<sub>3</sub>; (g) L is C(R1)(R2)-(CH<sub>2</sub>)<sub>0-4</sub>-Y; (h) V is a variety of O-containing rings, mainly lactones, such as tetrahydropyranyloxy, oxooxetanyl, oxotetrahydrofuran, etc.; Y is independently OH, CO<sub>2</sub>H and certain esters, CHO, SO<sub>3</sub>H, phosphoryloxy and deriva., tetrazolyl, hydroxyisoxazolyl, certain thienopyridinyl deriva., etc., with numerous provisos]. The compds. I, their compns., and methods of the invention are also useful for treating and preventing Alzheimer's disease, Syndrome X, peroxisome proliferator activated receptor-related disorders, septicemia, thrombotic disorders, obesity, pancreatitis, hypertension, renal disease, cancer, inflammation, and impotence. In certain embodiments, the compds., compns., and methods of the invention are useful in combination therapy with other therapeutics, such as hypocholesterolemic and hypoglycemic agents. Several preparative examples are given, as well as biol. data (antihypercholesterolemic and hypolipidemic) for selected compds. A large number of compds. are claimed by name and/or structure. For instance, p-toluenesulfonylmethyl isocyanide was bis-C-alkylated by Br(CH<sub>2</sub>)<sub>4</sub>CMe<sub>2</sub>CH<sub>2</sub>O-THP (THP = 2-tetrahydropyranyl) using NaH in DMSO, and the resultant sym. α-tosyl isocyanide p-MeC<sub>6</sub>H<sub>4</sub>SO<sub>2</sub>C(N.tpbond.C)[(CH<sub>2</sub>)<sub>4</sub>CMe<sub>2</sub>CH<sub>2</sub>O-THP]<sub>2</sub> was hydrolyzed and deprotected with HCl in refluxing aqueous MeOH to give a sym. ketone-diol, namely the invention compound O:C[(CH<sub>2</sub>)<sub>4</sub>CMe<sub>2</sub>CH<sub>2</sub>OH]<sub>2</sub> (II). In an oral test on chow-fed rats, II gave a 72% reduction in VLDL cholesterol, a 88% reduction in LDL cholesterol, a 3% increase in HDL cholesterol, a 30% reduction in total serum cholesterol, and a 64% reduction in serum triglycerides, with a slight reduction in weight gain.

L32 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 IT 413627-68-6P, 2,12-Bis(4-isobutylphenyl)-2,12-dimethyl-7-oxotridecanedioic acid  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (drug candidate; preparation of aliphatic, aromatic, and heterocyclic ketones as antihypercholesterolemic, hypolipidemic, and antidiabetic)  
 RN 413627-68-6 CAPLUS  
 CN Tridecanedioic acid, 2,12-dimethyl-2,12-bis[4-(2-methylpropyl)phenyl]-7-oxo- (9CI) (CA INDEX NAME)



L32 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN  
 AB The invention relates to novel ketone compds., compns. comprising such ketone compds., and methods useful for treating and preventing cardiovascular diseases, dyslipidemias, dysproteinemias, and glucose metabolism disorders, comprising administering a composition comprising such a compound. In particular, compds. W1-Zm-C(O)-G-C(O)-Zm-W2 (I) and their pharmaceutically acceptable salts, hydrates, solvates, clathrates, stereoisomers, geometric isomers, and racemates, are claimed [wherein:  
 (a) each Z is independently CH<sub>2</sub>, CH=CH, or Ph; each m is independently 1-9, but when Z is Ph, then its associated m is 1; (b) G is (CH<sub>2</sub>)<sub>x</sub>, CH<sub>2</sub>CH=CHCH<sub>2</sub>, CH=CH, CH<sub>2</sub>-phenyl-CH<sub>2</sub>, or Ph, where x is 2-4; (c) W1 and W2 are independently L, V, C(R1)(R2)-(CH<sub>2</sub>)<sub>c</sub>-C(R3)(R4)-(CH<sub>2</sub>)<sub>0-4</sub>-Y, or C(R1)(R2)-(CH<sub>2</sub>)<sub>c</sub>-V where c is 1 or 2; (d) each R1 or R2 is independently (C1-C6)alkyl, (C2-C6)alkenyl, (C2-C6)alkynyl, Ph, or benzyl or when one or both of W1 and W2 is C(R1)(R2)-(CH<sub>2</sub>)<sub>c</sub>-C(R3)(R4)-(CH<sub>2</sub>)<sub>0-4</sub>-Y, then R1 and R2 can both be H to form a methylene group; (e) R3 is H, (C1-C6)alkyl, (C2-C1)alkenyl, (C2-C6)alkynyl, (C1-C6)alkoxy, Ph, benzyl, Cl, Br, CN, NO<sub>2</sub>, or CF<sub>3</sub>; (f) R4 is OH, (C1-C6)alkyl, (C2-C6)alkenyl, (C2-C6)alkynyl, (C1-C6)alkoxy, Ph, benzyl, Cl, Br, CN, NO<sub>2</sub>, or CF<sub>3</sub>; (g) L is C(R1)(R2)-(CH<sub>2</sub>)<sub>0-4</sub>-Y; (h) V is a variety of O-containing rings, mainly lactones, such as tetrahydropyranyloxy, oxooxetanyl, oxotetrahydrofuranyl, etc.; Y is independently OH, CO<sub>2</sub>H and certain esters, CHO, SO<sub>3</sub>H, phosphoryloxy and deriva., tetrazolyl, hydroxyisoxazolyl, certain thienopyridinyl deriva., etc., with numerous provisos]. The compds. I, their compns., and methods of the invention are also useful for treating and preventing Alzheimer's disease, Syndrome X, peroxisome proliferator activated receptor-related disorders, septicemia, thrombotic disorders, obesity, pancreatitis, hypertension, renal disease, cancer, inflammation, and impotence. In certain embodiments, the compds., compns., and methods of the invention are useful in combination therapy with other therapeutics, such as hypocholesterolemic and hypoglycemic agents. Several preparative examples are given, as well as biol. data (antihypercholesterolemic and hypolipidemic) for selected compds. A large number of compds. are claimed by name and/or structure. For instance, p-toluenesulfonylmethyl isocyanide was bis-C-alkylated by Br(CH<sub>2</sub>)<sub>4</sub>CM<sub>2</sub>CH<sub>2</sub>O-THP (THP = 2-tetrahydropyranyl) using NaH in DMSO, and the resultant sym. α-tosyl isocyanide p-MeC<sub>6</sub>H<sub>4</sub>SO<sub>2</sub>C(N.tpbond.C)[(CH<sub>2</sub>)<sub>4</sub>CM<sub>2</sub>CH<sub>2</sub>O-THP]<sub>2</sub> was hydrolyzed and deprotected with HCl in refluxing aqueous MeOH to give a sym. ketone-diol, namely the invention compound O:C[(CH<sub>2</sub>)<sub>4</sub>CM<sub>2</sub>CH<sub>2</sub>OH]<sub>2</sub> (II). In an oral test on chow-fed rats, II gave a 72% reduction in VLDL cholesterol, a 88% reduction in LDL cholesterol, a 3% increase in HDL cholesterol, a 30% reduction in total serum cholesterol, and a 64% reduction in serum triglycerides, with a slight reduction in weight gain.

L32 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 IT 413627-68-6P, 2,12-Bis[4-(isobutylphenyl)-2,12-dimethyl-7-oxotridecanedioic acid  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (drug candidate; preparation of aliphatic, aromatic, and heterocyclic ketones as antihypercholesterolemic, hypolipidemic, and antidiabetic)  
 RN 413627-68-6 CAPLUS  
 CN Tridecanedioic acid, 2,12-dimethyl-2,12-bis[4-(2-methylpropyl)phenyl]-7-oxo- (9CI) (CA INDEX NAME)



=> d his

(FILE 'HOME' ENTERED AT 11:55:54 ON 14 MAR 2007)

FILE 'REGISTRY' ENTERED AT 11:56:04 ON 14 MAR 2007

L1 STRUCTURE UPLOADED  
L2 1 S L1 FULL  
L3 STRUCTURE UPLOADED  
L4 7 S L3 FULL  
L5 STRUCTURE UPLOADED  
L6 196 S L5 FULL

FILE 'CAPLUS' ENTERED AT 11:57:33 ON 14 MAR 2007

L7 1 S L2  
L8 6 S L4  
L9 18 S L6  
L10 25 S L7 OR L8 OR L9  
L11 1 S L10 AND ALZHEIMER  
L12 2 S L10 AND (CNS OR NEURO?)  
L13 STRUCTURE UPLOADED  
S L13

FILE 'REGISTRY' ENTERED AT 12:14:44 ON 14 MAR 2007

L14 9 S L13 FULL

FILE 'CAPLUS' ENTERED AT 12:14:47 ON 14 MAR 2007

L15 14 S L14 FULL  
L16 6 S L15 AND (ALZHEIMER OR CNS OR NEURO?)  
L17 STRUCTURE UPLOADED  
S L17

FILE 'REGISTRY' ENTERED AT 12:26:25 ON 14 MAR 2007

L18 57 S L17 FULL

FILE 'CAPLUS' ENTERED AT 12:26:32 ON 14 MAR 2007

L19 59 S L18 FULL  
L20 6 S L19 AND (ALZHEIMER OR CNS OR NEURO?)  
L21 STRUCTURE UPLOADED  
S L21

FILE 'REGISTRY' ENTERED AT 12:29:10 ON 14 MAR 2007

L22 3 S L21 FULL

FILE 'CAPLUS' ENTERED AT 12:29:10 ON 14 MAR 2007

L23 4 S L22 FULL  
L24 0 S L23 AND (ALZHEIMER OR CNS OR NEURO?)  
L25 STRUCTURE UPLOADED  
S L25

FILE 'REGISTRY' ENTERED AT 12:31:25 ON 14 MAR 2007

L26 27 S L25 FULL

FILE 'CAPLUS' ENTERED AT 12:31:27 ON 14 MAR 2007

L27 26 S L26 FULL  
L28 7 S L27 AND (ALZHEIMER OR CNS OR NEURO?)  
L29 STRUCTURE UPLOADED  
S L29

FILE 'REGISTRY' ENTERED AT 12:39:23 ON 14 MAR 2007  
L30 180 S L29 FULL

FILE 'CAPLUS' ENTERED AT 12:39:26 ON 14 MAR 2007  
L31 125 S L30 FULL  
L32 19 S L31 AND (ALZHEIMER OR CNS OR NEURO)

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	52.66	1526.02
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-3.90	-3.90

STN INTERNATIONAL LOGOFF AT 12:44:28 ON 14 MAR 2007